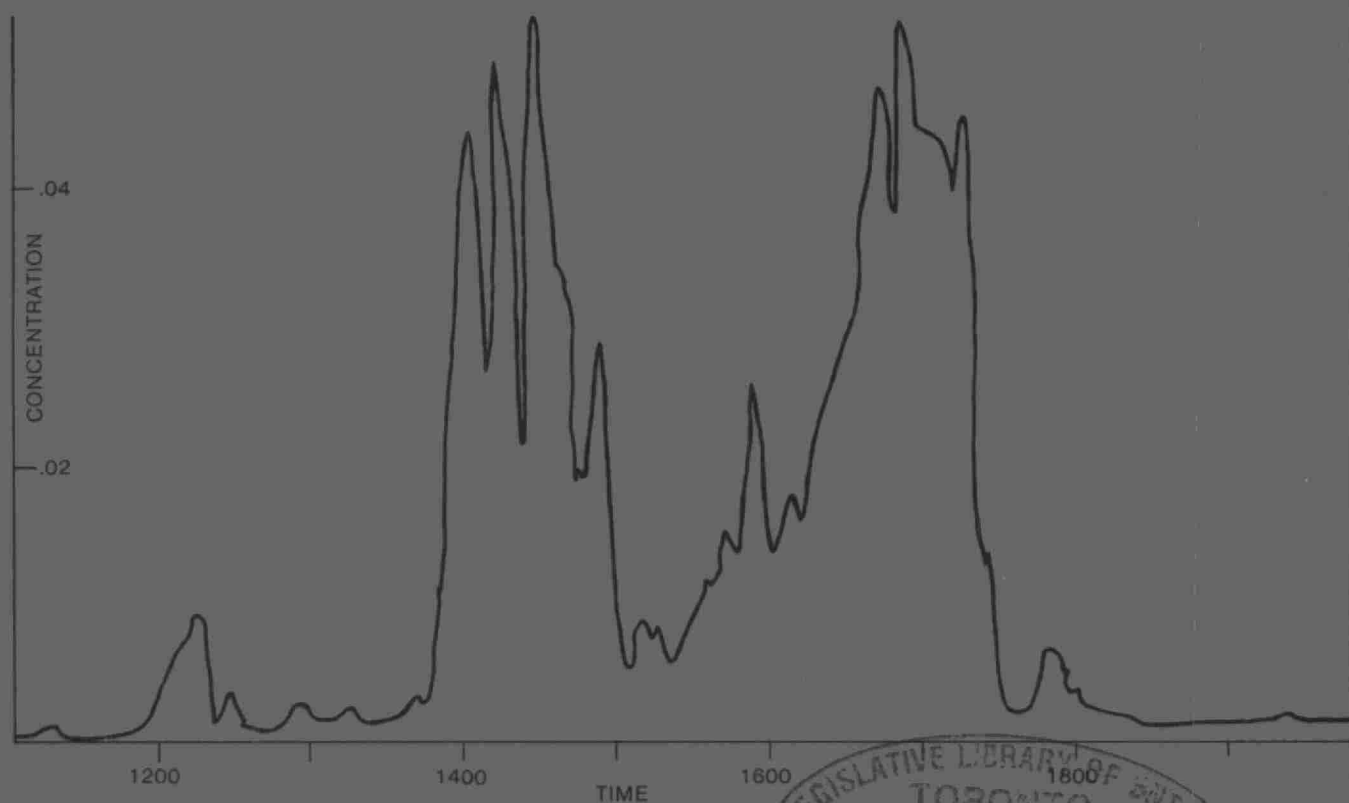


AIR QUALITY MONITORING REPORTS 1980

Volume 5

Report No. ARB-37-81 AQM



Ministry
of the
Environment

Hon. Keith C. Norton, Q.C.,
Minister

Gérard J. M. Raymond
Deputy Minister

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AIR QUALITY MONITORING REPORT

ONTARIO 1980

VOL. 5



Ministry
of the
Environment

Hon. Keith C. Norton, Q.C.,
Minister

Gérard J. M. Raymond
Deputy Minister

CONTENTS

<u>Station Number</u>	<u>Location</u>	<u>Page</u>
Nitrogen Dioxide		
12008	476 University Ave. W., Windsor	1
14064	Centennial Park, Front St./CN Tracks, Sarnia	8
14902	286 Paget St., Corunna	15
14903	Virgil LaSalle, Froomfield, Sarnia	18
15001	King/Rectory, London	22
22071	Experimental Farm, Simcoe	29
22086	Cheapside Rd., 3 Km S. of Hwy 3, Nanticoke	36
26029	Edna/Frederick St., Kitchener	42
27037	North/Geneva St., St. Catharines	49
29008	North Park, Hamilton	56
29025	Barton/Wentworth, Hamilton	63
31001	67 College St., 5th Floor, Toronto	70
31105	Sherbourne/Wilton, Toronto	77
33003	Lawrence/Kennedy, Scarborough	84
34002	Science Centre, Don Mills Rd., Scarborough	91
34007	Bathurst/Wilson, North York	98
35003	Elmcrest Rd., Etobicoke	105
35033	Evans/Arnold Ave., Etobicoke	112
44008	Hwy 2/North Shore Blvd. E., Burlington	119
44010	1298 Rebecca St., Oakville	124
44015	Bronte Rd./Woburn Crescent, Oakville	126
45025	Ritson Rd./Olive Ave., Oshawa	132
46110	Queensway W./Hurontario St., Mississauga	139
51001	McDonald Gardens, Ottawa	146
56051	Memorial Park, Cornwall	152
58030	132 King St., Port Hope	159
77016	Ash Street, Sudbury	161

<u>Station Number</u>	<u>Location</u>	<u>Page</u>
Nitrogen Oxides		
12008	467 University Ave., W., Windsor	168
14064	Centennial Park, Front St./CN Tracks, Sarnia	175
14902	286 Paget St., Corunna	182
14903	Virgil LaSalle, Froomfield, Sarnia	186
15001	King/Rectory, London	189
22071	Experimental Farm, Simcoe	196
22086	Cheapside Rd., 3 Km S. of Hwy 3, Nanticoke	203
22901	100m S. Hwy 59, Long Point Prov. Park	209
22902	Tyneside/Chippewa Rd., Binbrooke West	213
22906	Sandusk Rd. Between Walpole Conc. 4/5, Sandusk	220
26029	Edna/Frederick St., Kitchener	225
27037	North/Geneva St., St. Catharines	232
29008	North Park, Hamilton	238
29025	Barton/Wentworth, Hamilton	245
31001	67 College St., 5th Floor, Toronto	251
31105	Sherbourne/Wilton, Toronto	258
33003	Lawrence/Kennedy, Scarborough	265
34002	Science Centre, Don Mills Rd., Scarborough	272
34007	Bathurst/Wilson, North York	278
35003	Elmcrest Rd., Etobicoke	285
35033	Evans/Arnold Ave., Etobicoke	292
44008	Hwy 2/North Shore Blvd. E., Burlington	299
44010	1298 Rebecca St., Oakville	304
44015	Bronte Rd./Woburn Crescent, Oakville	306
45025	Ritson Rd./Olive Ave., Oshawa	312
46110	Queensway W./Huronario St., Mississauga	319
51001	McDonald Gardens, Ottawa	326
56051	Memorial Park, Cornwall	332
58030	132 King St., Port Hope	339
77016	Ash Street, Sudbury	341

<u>Station Number</u>	<u>Location</u>	<u>Page</u>
Nitric Oxide		
12008	467 University Ave. W., Windsor	348
14064	Centennial Park, Front St./CN Tracks, Sarnia	355
14902	286 Paget St., Corunna	362
14903	Virgil LaSalle, Froomfield, Sarnia	366
15001	King/Rectory, London	369
22071	Experimental Farm, Simcoe	376
22086	Cheapside, Rd., 3 Km S. of Hwy 3, Nanticoke	383
22901	100m S. Hwy 59, Long Point Prov. Park	390
22902	Tyneside/Chippewa Rd., Binbrooke West	394
22906	Sandusk Rd. between Walpole Conc. 4/5, Sandusk	401
26029	Edna/Frederick St., Kitchener	408
27037	North/Geneva St., St. Catharines	415
29008	North Park, Hamilton	422
29025	Barton/Wentworth, Hamilton	429
31001	67 College St., 5th Floor, Toronto	436
31105	Sherbourne/Wilton, Toronto	443
33003	Lawrence/Kennedy, Scarborough	450
34002	Science Centre, Don Mills Rd., Scarborough	457
34007	Bathurst/Wilson, North York	464
35003	Elmcrest Rd., Etobicoke	471
35033	Evans/Arnold Ave., Etobicoke	478
44008	Hwy 2/North Shore Blvd. E., Burlington	485
44010	1298 Rebecca St., Oakville	489
44015	Bronte Rd./Woburn Crescent, Oakville	492
45025	Ritson Rd./Olive Ave., Oshawa	497
46110	Queensway W./Hurontario St., Mississauga	504
51001	McDonald Gardens, Ottawa	511
56051	Memorial Park, Cornwall	518
58030	132 King St., Port Hope	525
77016	Ash Street, Sudbury	527

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - JAN 80										
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
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PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	3	3	2	3	3	3	3	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	4
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PERCENTAGE OF DATA INVALID - 6.9

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NOTES 1. ***** INDIC

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
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- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 2. ** INDICATES DATA IS UNAVAILABLE
 3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - APR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
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10	2	2	1	2	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
11	4	3	3	3	5	2	3	3	3	2	2	3	3	3	3	4	4	5	5	5	5	4	3	2	3
12	3	3	3	3	3	1	1	3	4	4	4	3	3	3	3	3	3	3	3	3	2	2	2	2	3
13	2	3	3	3	3	2	2	2	2	2	1	2	2	2	2	2	2	1	2	2	1	1	1	1	2
14	1	1	1	1	1	2	2	2	2	1	2	3	3	3	3	3	4	4	4	3	3	2	1	1	2
15	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	4	4	4	3	2	2	1	1	2
16	2	1	1	0	1	1	2	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	2	3
17	3	4	4	5	5	5	5	4	2	0	2	4	4	3	3	4	4	4	4	3	4	4	4	4	3
18	4	6	4	5	4	4	4	5	6	6	5	7	6	6	6	7	6	4	4	5	6	5	4	4	4
19	4	6	6	6	6	6	6	6	7	7	4	3	3	2	2	2	2	2	3	4	4	4	4	4	5
20	5	5	4	5	2	5	4	4	4	3	3	3	3	3	3	3	3	4	4	4	5	5	3	3	4
21	5	5	4	3	4	3	4	5	4	5	4	4	3	4	3	3	3	3	2	3	4	-	-	4	4
22	4	4	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	6	4	-	3	4	4
23	3	2	3	3	2	3	3	2	3	3	3	3	3	3	3	3	4	4	4	4	4	3	2	2	3
24	1	1	-	-	0	0	1	1	2	2	7	....	....	3	3	3	4	4	4	4	4	3	2	2	3
25	2	1	1	1	1	2	3	3	4	4	5	4	2	3	3	4	4	4	3	3	4	5	5	4	3
26	4	3	3	2	2	2	2	3	2	4	5	4	3	4	3	4	2	2	2	2	2	1	1	1	3
27	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	1
28	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	2	2	1	3	3	3	3	3	3	1
29	2	2	2	1	2	4	4	4	3	....	5	6	5	5	6	6	5	3	3	3	3	3	3	3	4
30	3	3	3	3	3	3	3	3	3	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4
MEAN	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 98.1 PERCENTAGE OF DATA INVALID - 0.6 PERCENTAGE OF DATA UNAVAILABLE - 1.4

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 2. ** INDICATES DATA IS UNAVAILABLE
 3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - MAY 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	5	5	4	5	5	7	7	6	5	6	5	4	****	-	4	****	6	5	5	4	6	6	5
2	6	6	6	6	5	6	4	2	5	9	9	6	6	4	4	6	4	6	3	4	7	7	7	7	6
3	9	7	7	7	6	6	5	6	8	9	6	4	4	3	3	4	4	4	5	5	5	6	5	5	6
4	5	5	5	5	4	4	5	6	7	8	9	6	4	4	3	2	3	3	3	6	7	7	6	5	5
5	5	4	4	5	4	4	6	6	6	5	4	4	4	3	3	2	3	3	3	4	7	7	2	2	4
6	3	2	1	1	1	2	3	2	4	4	3	3	3	3	3	2	2	2	2	2	4	5	3	2	3
7	1	1	1	1	0	1	2	2	***	***	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	2	1	1	1	2	2	3	2	2	2	2	3	2	3	2	2	2	2	2	2	3	2	2
9	2	2	2	2	2	2	2	3	3	3	3	2	3	2	2	3	2	3	2	3	4	4	4	4	3
10	4	4	4	4	4	3	3	2	2	2	3	3	2	2	2	2	1	2	2	2	1	1	1	1	2
11	1	1	0	1	1	1	2	3	2	2	2	2	2	2	2	2	1	2	2	3	3	3	3	3	2
12	2	2	3	4	3	3	3	5	6	6	7	7	6	6	5	3	4	3	5	5	5	4	3	4	3
13	2	1	2	1	1	1	3	4	4	6	5	5	5	6	6	5	5	5	6	6	6	5	3	2	4
14	1	1	0	0	1	2	2	3	3	3	3	2	3	3	3	4	4	3	3	3	4	3	3	2	4
15	3	3	3	3	3	3	3	4	5	4	4	3	3	3	4	3	3	3	5	5	6	5	5	5	3
16	5	4	4	4	4	4	4	5	7	5	3	3	3	3	2	3	2	2	2	3	3	2	3	2	3
17	4	3	1	1	1	2	2	3	3	3	2	3	3	3	3	3	3	3	3	2	1	1	1	1	2
18	1	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2
19	3	2	1	1	2	2	2	3	2	2	1	1	1	1	2	2	2	2	2	3	5	4	3	3	2
20	3	2	2	1	2	3	3	3	4	5	6	4	3	3	3	3	4	4	5	5	5	4	5	4	4
21	3	3	3	4	4	4	5	6	8	8	4	4	3	4	3	3	3	2	2	3	5	6	4	6	4
22	7	8	7	7	6	6	8	7	9	11	***	6	4	5	3	2	3	3	2	7	4	5	7	9	6
23	9	9	8	8	8	8	8	4	4	4	5	4	3	2	3	2	2	2	3	3	3	5	5	5	5
24	6	3	3	4	3	3	3	2	2	3	3	3	2	2	3	3	3	4	4	4	4	5	4	5	3
25	8	4	3	3	1	1	1	2	2	2	2	2	2	1	5	1	1	1	2	1	1	1	2	2	2
26	1	1	1	1	1	1	2	3	2	2	2	2	***	3	2	2	2	3	3	3	4	5	4	2	2
27	3	***	3	4	4	4	4	6	8	8	9	7	6	5	4	4	4	4	4	3	4	3	4	3	5
28	3	3	5	5	5	5	5	6	9	10	7	8	6	***	3	3	3	3	3	3	3	4	4	3	5
29	3	3	2	2	***	5	5	5	7	8	***	11	9	11	7	***	2	2	2	3	3	3	2	3	3
30	3	4	3	2	3	4	3	3	3	3	3	3	3	3	2	2	3	4	4	2	2	1	1	1	3
31	2	2	1	2	3	3	3	3	3	2	2	2	2	1	1	1	2	1	2	2	3	3	3	3	2
MEAN	4	3	3	3	3	3	4	4	5	5	4	4	4	4	3	3	3	3	3	3	4	4	4	4	3.5

PERCENTAGE OF DATA VALID - 97.8 PERCENTAGE OF DATA INVALID - 1.6 PERCENTAGE OF DATA UNAVAILABLE - 0.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - JUN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	2	3	4	4	4	4	4	4	2
2	3	4	2	1	1	2	3	4	***	4	4	4	4	3	3	3	2	2	3	3	3	4	4	3	3
3	2	2	2	1	2	4	4	3	4	4	3	3	3	3	3	3	3	2	2	2	3	4	4	3	
4	4	4	4	4	4	3	3	3	4	3	3	2	2	2	2	2	2	1	2	2	3	3	3	3	
5	3	4	4	4	3	4	4	3	2	***	1	1	1	1	1	1	2	2	2	1	3	3	3	2	
6	1	1	1	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	3	4	2	
7	5	4	2	1	1	1	1	2	1	1	1	1	3	4	3	2	1	1	2	3	3	2	2	1	
8	1	1	1	0	0	0	0	2	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	1	
9	3	2	2	1	1	2	3	4	3	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	
10	2	1	1	1	1	2	2	2	2	1	***	***	2	3	4	3	2	2	2	2	3	4	4	4	
11	4	3	2	2	2	3	4	***	***	***	***	***	4	3	2	2	3	2	2	2	4	4	7	6	
12	5	5	5	5	5	6	6	6	***	***	***	4	4	3	2	3	3	3	3	3	5	5	5	4	
13	3	5	3	3	4	5	7	7	5	***	***	4	4	4	4	3	2	2	***	***	3	4	5	4	
14	5	6	5	5	***	***	***	***	***	***	4	6	6	4	3	3	4	6	3	4	8	9	9	7	
15	7	6	6	4	3	4	5	5	4	3	3	3	3	3	3	3	3	2	2	3	2	3	3	4	
16	2	2	2	1	3	3	3	4	4	4	***	3	3	3	3	***	3	3	2	2	3	2	3	4	
17	4	4	3	3	4	4	4	5	2	0	0	16	3	3	3	2	2	3	2	2	1	2	2	5	
18	5	4	5	5	5	5	6	6	7	8	6	5	3	3	3	6	5	4	4	5	2	4	4	4	
19	4	4	3	3	3	3	4	4	3	3	4	3	3	3	3	5	5	4	4	3	2	2	2	3	
20	2	2	2	2	2	3	3	2	3	3	3	2	2	2	3	3	3	2	2	3	5	5	5	4	
21	4	4	4	3	3	4	4	5	5	5	3	2	2	1	1	1	1	2	2	2	2	3	3	5	
22	5	3	3	3	3	3	3	2	2	3	2	1	1	1	2	2	1	1	1	2	2	2	2	2	
23	2	2	2	2	2	4	5	6	4	2	3	1	1	1	1	1	1	1	1	2	2	2	2	2	
24	2	2	1	2	2	4	5	8	6	3	2	1	1	1	1	2	-	2	1	2	4	5	5	5	
25	3	4	3	4	3	5	4	3	2	2	1	1	1	1	1	1	1	2	1	***	3	3	2	2	
26	2	2	2	2	3	4	4	4	5	5	5	3	2	2	2	2	2	2	2	2	3	4	3	3	
27	3	2	3	3	2	3	***	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	3	3	
28	3	3	2	2	1	1	2	3	4	5	6	5	4	3	6	6	6	5	7	5	5	3	2	2	
29	2	3	3	3	4	***	***	5	4	2	2	1	1	1	1	1	2	1	2	2	2	2	2	2	
30	2	2	2	1	1	1	2	1	3	3	3	3	3	3	3	4	3	3	3	4	3	4	5	5	
MEAN	3	3	3	2	2	3	4	4	3	3	3	3	3	2	2	3	2	2	2	3	3	4	4	4	

PERCENTAGE OF DATA VALID - 95.3 PERCENTAGE OF DATA INVALID - 3.8 PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - JUL 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN			
1	5	4	4	4	3	3	3	3	3	4	3	3	2	2	2	2	2	2	3	3	3	3	2	2	3			
2	1	3	5	3	1	1	2	3	3	3	3	3	3	4	3	3	3	2	4	5	4	5	5	4	3			
3	3	3	2	3	2	3	3	5	3	5	4	5	4	4	4	3	4	3	2	2	2	3	4	4	3			
4	5	4	4	5	5	5	5	4	2	3	2	2	2	2	2	2	2	2	2	2	2	3	2	3	3			
5	3	3	3	2	2	3	4	4	4	3	5	3	3	2	2	2	2	3	3	3	3	3	3	2	3			
6	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	3	3	4	5	2			
7	5	5	5	5	5	4	5	4	3	2	2	3	3	4	2	2	2	3	2	2	2	2	2	2	3			
8	1	2	2	1	1	3	5	7	4	4	4	3	3	3	3	2	2	3	2	2	2	2	2	2	3			
9	3	4	3	4	4	4	4	6	3	3	3	3	4	4	3	2	2	4	3	3	3	2	3	3	3			
10	4	3	2	2	2	3	4	5	6	5	5	5	5	4	4	3	2	2	3	4	4	6	6	5	4			
11	4	5	6	5	4	5	6	7	9	8	5	4	2	2	3	3	3	3	3	3	4	3	3	4	4			
12	4	4	3	3	3	2	2	2	2	2	2	4	2	2	2	1	1	2	1	2	3	3	4	3	2			
13	3	3	3	3	3	2	2	3	3	2	2	2	2	2	3	3	1	2	2	2	2	3	3	3	2			
14	2	1	2	3	4	4	5	4	3	2	2	3	3	2	2	2	2	1	1	2	1	2	2	2	2			
15	1	2	2	1	1	2	3	3	4	3	2	3	3	3	4	3	2	3	2	4	4	4	4	4	2			
16	3	2	4	5	4	3	4	4	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2			
17	DATA INVALID																											
18	DATA INVALID																											
19	2	2	2	3	5	5	5	4	4	4	3	2	2	2	3	4	2	3	3	3	2	3	3	3	3			
20	5	4	2	2	1	1	1	2	3	2	2	2	1	1	1	2	1	1	1	2	2	2	2	3	2			
21	1	1	2	2	2	2	3	4	3	4	3	3	4	2	2	3	6	6	4	5	4	4	4	3	3			
22	3	4	4	4	3	4	4	4	4	5	4	3	3	3	3	2	3	2	2	3	3	3	3	3	3			
23	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	3	3	2			
24	3	3	3	3	3	3	3	5	6	7	8	6	3	2	2	1	1	1	2	1	2	3	3	3	3			
25	3	3	3	3	4	3	4	5	3	5	2	1	1	2	2	2	1	1	2	3	4	4	5	5	3			
26	5	5	5	5	3	3	4	6	6	3	3	3	3	2	2	3	4	3	3	5	3	1	2	1	3			
27	1	2	1	1	1	1	1	1	1	2	2	2	3	2	1	1	2	3	3	5	5	4	3	2	2			
28	1	2	1	1	1	4	5	5	5	6	6	6	5	4	-	-	4	4	4	4	-	-	-	-	4			
29	5	5	4	3	3	3	4	4	4	7	6	4	2	2	2	3	4	3	3	5	3	4	6	6	4			
30	6	6	3	2	2	3	3	4	4	4	0	0	0	0	3	4	4	5	5	4	3	4	7	9	8			
31	5	5	3	2	2	3	3	4	5	4	3	3	4	3	3	4	4	4	4	5	6	4	4	3	4			
MEAN	3	3	3	3	3	3	3	4	4	3	3	3	3	3	2	2	2	3	2	3	3	3	4	3	3.0			

PERCENTAGE OF DATA VALID - 93.0

PERCENTAGE OF DATA INVALID - 6.3

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR															MONTH - AUG 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	4	6	7	7	5	5	4	3	3	3	3	4	3	3	4	5	9	11	12	5
2	13	11	12	13	7	5	6	6	6	5	4	3	3	3	4	3	4	6	5	4	4	6	7	7	6
3	7	6	3	3	3	2	3	3	5	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	3	3	3	3	3	4	4	4	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3
5	2	3	3	2	2	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	4	4	5	5	3
6	5	4	4	4	3	4	5	5	6	6	6	5	4	3	3	3	3	3	3	3	4	4	4	4	4
7	5	4	4	4	3	4	4	4	4	3	3	4	4	3	3	3	4	3	3	3	5	4	4	4	4
8	7	6	5	4	4	5	5	6	5	4	2	1	3	3	4	3	2	2	3	3	5	6	7	6	4
9	3	2	3	3	2	3	5	4	4	3	2	3	3	3	4	3	3	3	2	2	3	3	3	4	3
10	2	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	2	2	3	3	2	1
11	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	4	3	3	3	3	3	4	4	4	3
12	4	2	2	2	2	2	3	4	3	3	2	2	2	2	3	3	2	2	2	2	3	4	4	4	3
13	4	4	3	3	3	2	3	4	4	4	4	3	2	2	3	3	3	3	3	2	2	3	4	4	3
14	4	3	4	3	1	2	3	4	5	4	3	4	4	6	4	5	4	5	4	5	4	5	4	4	4
15	3	3	3	2	2	4	3	3	3	4	4	4	3	3	3	3	3	3	3	3	3	2	4	4	3
16	2	3	3	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
17	2	2	1	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	1	2	3	3	2	2	2
18	1	1	1	1	2	2	3	3	3	4	5	7	6	6	4	4	3	4	3	5	6	7	6	6	4
19	5	5	4	4	5	5	4	6	7	6	3	2	2	4	3	3	3	2	3	3	4	4	4	4	3
20	2	1	3	4	4	5	5	5	6	4	4	7	6	3	2	4	3	3	2	3	4	4	4	4	3
21	2	2	0	0	1	2	2	2	2	2	1	1	2	0	0	2	3	2	2	2	3	3	5	6	2
22	4	3	2	2	2	3	3	3	3	3	3	3	3	2	2	2	3	2	2	2	3	4	4	4	3
23	4	3	3	3	3	3	3	3	3	2	2	2	2	1	1	1	1	1	2	2	3	3	3	3	3
24	3	3	3	3	3	3	3	3	2	3	3	3	1	1	1	1	1	1	1	1	3	4	4	4	3
25	5	3	5	4	5	5	5	2	6	5	5	5	5	3	2	2	3	2	2	2	3	4	4	5	3
26	5	3	2	2	2	5	6	8	7	5	4	3	4	2	2	2	2	2	2	2	4	4	5	4	3
27	4	4	4	4	4	5	7	8	5	6	5	3	4	2	2	2	2	2	2	2	4	4	5	5	4
28	6	5	2	2	3	2	4	3	4	5	6	5	3	2	2	2	2	2	2	4	4	5	8	7	4
29	2	1	1	1	1	3	4	5	2	3	2	2	2	3	2	3	2	1	2	3	2	2	2	2	3
30	2	2	3	2	3	4	2	3	5	4	4	2	2	2	2	2	2	2	2	3	3	3	4	4	2
31	3	3	4	3	2	3	3	3	3	2	4	2	1	1	1	1	1	3	3	4	4	3	3	2	3
MEAN	4	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	2	2	3	3	4	4	4	3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.2	5	11
FEB	25	3.4	5	8
MAR	31	2.9	5	7
APR	30	3.0	5	7
MAY	31	3.5	6	11
JUN	30	2.9	5	16
JUL	29	3.0	4	9
AUG	31	3.2	6	13
SEP	30	3.1	4	8
OCT	31	2.9	5	10
NOV	28	3.0	5	7
DEC	31	2.9	5	8
YEAR	358	3.1	6	16

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	51	429	236	15	1	0	0	732
FEB	32	311	298	5	0	0	0	646
MAR	66	467	202	4	0	0	0	739
APR	119	366	216	5	0	0	0	706
MAY	76	369	225	55	3	0	0	728
JUN	108	381	183	13	0	1	0	686
JUL	81	384	217	10	0	0	0	692
AUG	65	423	214	19	6	0	0	727
SEP	93	355	250	6	0	0	0	704
OCT	66	467	186	10	0	0	0	729
NOV	33	464	181	5	0	0	0	683
DEC	64	477	168	14	0	0	0	723
YEAR	854	4893	2576	161	10	1	0	8495

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.7	0	1.0	1.8	2.5	3.1	4.4	5.0	6.0	6.9	16	3.1

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - NOV 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	5	5	6	7	6	5	5	5	4	4	3	2	2	3	3	3	3	4	4	4	3	3	
2	3	2	3	3	3	2	2	3	3	3	2	2	2	2	2	3	3	4	4	3	3	3	3	3	
3	2	2	3	3	3	2	3	3	3	4	4	4	5	5	6	5	6	5	5	5	5	5	3	4	
4	4	5	5	4	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	
5	3	2	2	2	2	2	3	3	3	-	-	-	2	2	2	2	2	2	4	4	4	4	4	3	
6	4	8	10	6	5	4	4	4	4	4	4	4	4	4	3	4	5	5	5	5	4	4	3	3	
7	3	4	4	4	3	3	4	4	4	5	4	4	5	5	5	5	2	2	2	1	1	1	1	1	
8	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	3	3	2	2	2	2	2	2	
9	2	3	2	2	3	3	2	2	2	2	1	1	1	1	2	1	1	1	1	1	2	2	1	1	
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	-	1	1	1	1	1	1	1	1	1	
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	2	
12	2	1	2	2	1	1	1	2	3	-	3	2	2	3	4	3	3	3	5	6	6	5	5	5	
13	4	4	4	4	5	4	5	5	4	5	5	5	5	5	6	6	7	6	6	6	6	4	3	5	
14	4	4	3	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	
15	2	2	2	2	1	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	2	1	1	2	
16	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	4	5	5	5	5	4	3	
17	3	3	4	3	3	3	3	5	6	***	***	***	7	6	6	6	5	5	5	5	5	4	5	4	
18	4	3	3	3	3	3	2	2	3	4	5	5	2	2	2	2	2	2	2	2	2	2	2	3	
19	2	2	3	3	3	3	3	4	4	***	4	5	4	3	3	3	3	4	5	4	5	5	6	6	
20	6	6	6	5	5	6	6	6	5	6	6	6	6	5	5	6	6	6	5	6	5	5	5	5	
21	5	5	5	4	3	2	2	2	2	2	3	3	2	3	2	2	2	2	2	2	3	3	3	3	
22	3	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	5	5	5	4	5	5	5	
23	5	6	6	5	6	5	4	4	5	6	6	6	6	6	6	5	5	6	5	5	5	5	4	4	
24	3	3	4	4	4	3	3	4	4	4	4	3	2	2	2	2	2	2	2	2	1	1	1	1	
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	4	4	3	3	
26	3	3	3	3	3	3	3	5	6	***	3	3	3	3	3	4	5	4	5	4	4	4	3	3	
27	-	3	2	2	2	2	2	3	3	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	
28	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	2	2	2	2	
29	1	1	1	1	1	2	2	1	1	2	1	1	1	1	1	1	1	1	2	2	2	1	1	2	
30	1	1	1	1	1	1	1	1	2	2	3	3	3	3	2	2	4	4	4	4	4	4	4	3	
MEAN	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	3	3	3	3	2	***	3	2	2	3	3	3	3	2	2	3	2	3
2	2	3	2	2	2	2	3	4	3	3	2	2	2	1	1	1	1	1	1	1	1	0	0	0	2
3	0	0	0	0	0	0	0	1	1	***	1	1	1	1	1	1	1	1	1	1	2	2	3	2	1
4	1	1	2	1	1	1	2	3	3	2	2	3	***	***	***	***	3	3	3	3	4	-	3	2	2
5	2	2	2	2	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2
6	2	2	2	2	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3	3	2	3	3	3	2	3	3	3	2	2	3	3	2	2	2	3
8	3	3	3	3	3	3	3	3	3	4	3	3	3	3	3	3	2	2	1	1	1	1	1	1	2
9	1	1	1	1	1	1	1	2	2	3	***	3	***	***	***	***	2	2	2	2	2	2	1	1	2
10	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	***	0	0	0	1
11	0	0	0	0	1	1	2	2	2	1	***	1	1	1	1	2	2	2	2	2	2	2	2	2	1
12	2	3	3	2	1	2	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2	1	1	2	2
13	2	2	2	2	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1	2	2	1	1
14	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	2	2	1	2	2	3	1
15	2	2	2	2	2	3	3	3	3	3	3	2	3	2	2	2	3	3	3	2	3	3	3	3	3
16	1	0	0	1	1	1	1	0	0	1	1	1	2	2	2	2	2	3	2	2	1	1	1	1	1
17	2	1	1	1	1	2	3	4	3	3	***	2	1	2	3	2	3	2	2	3	***	3	2	2	2
18	2	1	1	1	1	1	0	0	0	0	0	0	1	0	1	1	1	1	2	1	1	-	-	-	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	1	2	2	2	2	1	1	1
20	1	1	1	1	1	1	0	1	1	1	0	0	0	0	0	1	1	2	2	1	2	2	1	1	1
21	1	1	1	1	1	1	1	1	2	1	1	0	0	0	1	1	1	2	2	2	2	2	2	2	2
22	2	3	3	3	2	3	3	2	3	2	2	2	2	2	2	1	3	2	2	2	3	2	3	2	2
23	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	3	***	2	2	2	2	2	2
24	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	1	1	1	1	1	2	1	1	1	0	0	0	0	0	1	2	4	3	3	3	3	1
26	3	4	3	3	2	3	3	2	2	2	1	2	2	2	2	2	2	3	2	2	2	2	2	1	2
27	2	2	2	2	2	2	2	2	2	3	6	2	1	2	1	2	3	2	2	2	2	2	2	3	2
28	2	2	2	3	3	2	2	2	3	3	2	3	3	2	3	4	5	4	4	4	4	4	4	4	3
29	4	4	4	4	3	3	3	3	3	3	2	1	1	1	1	0	0	0	1	0	0	0	0	0	2
30	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	2	2	3	3	2	2	2	2	2	1
31	1	1	2	3	3	2	2	2	2	1	2	1	2	2	2	2	2	3	2	2	2	2	2	-	2
MEAN	2	2	2	2	1	2	2	2	2	2	2	1	2	1	1	2	2	2	2	2	2	2	2	2	1.7

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 2.2

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.3	2	5
FEB	29	1.7	4	6
MAR	31	1.7	4	6
APR	30	2.2	4	14
MAY	28	2.4	4	8
JUN	30	2.5	5	10
JUL	31	2.8	5	9
AUG	30	2.8	5	9
SEP	25	3.0	6	10
OCT	31	1.5	4	6
NOV	30	3.0	6	10
DEC	31	1.7	3	6
YEAR	357	2.2	6	14

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	455	266	14	0	0	0	0	735
FEB	344	233	104	0	0	0	0	681
MAR	381	242	106	0	0	0	0	729
APR	279	297	106	16	1	1	0	700
MAY	206	299	137	7	0	0	0	649
JUN	222	280	156	12	0	0	0	670
JUL	166	339	190	25	0	0	0	720
AUG	185	315	185	21	0	0	0	706
SEP	166	246	159	47	0	0	0	618
OCT	442	243	44	0	0	0	0	729
NOV	125	340	239	5	0	0	0	709
DEC	292	409	20	0	0	0	0	721
YEAR	3263	3509	1460	133	1	1	0	8367

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.3	0	0.0	0.7	1.4	2.3	3.9	4.8	5.8	6.6	14	2.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 14902 206 PAGET ST. CORUNNA														MONTH - JAN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	1	1	1	2	2	2	2	2	3	3	3	3	3	2	1	1	2	2	1	1	1	2
2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	1	1	1
3	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	3	2	2	2	2	2	2
5	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	3	3	3	3	2
6	1	1	2	2	2	2	1	2	1	1	1	1	2	1	1	0	0	0	0	1	1	2	2	1	1
7	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1
8	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
9	1	1	0	0	0	0	0	0	0	1	1	1	0	1	0	1	1	1	2	2	2	2	2	2	1
10	1	2	2	3	2	2	2	2	2	2	1	1	1	2	2	2	2	3	3	3	4	4	3	3	2
11	3	2	2	2	1	1	2	3	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1	0
13	1	1	1	1	0	0	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	0	2	1	1
14	1	1	1	2	2	2	3	2	2	2	2	2	1	1	2	1	1	2	1	1	2	1	1	1	2
15	1	1	1	1	1	1	1	2	2	2	1	1	1	1	0	1	1	1	2	2	2	2	2	1	1
16	1	2	1	1	1	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	2
17	2	2	2	3	2	2	1	1	2	2	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2
18	2	2	2	2	2	2	1	1	1	1	1	1	1	1	0	0	1	1	1	0	1	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	1	1	1	1	0
21	0	0	0	0	1	1	1	1	1	2	1	1	0	0	0	0	1	2	3	3	3	2	1	1	1
22	1	2	2	1	1	1	2	2	2	2	0	0	2	2	2	1	1	2	1	1	1	1	1	0	1
23	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	0
24	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	3	3	3	3	2	1	1	1
25	1	1	1	1	1	1	1	1	1	1	1	3	3	3	3	2	2	3	2	3	3	3	3	2	2
26	2	2	2	2	1	1	1	1	2	1	1	1	0	0	1	1	0	1	1	2	3	3	3	2	1
27	2	3	3	3	3	2	2	2	2	1	1	1	0	0	1	1	1	1	1	2	1	1	1	1	2
28	1	1	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1
29	2	2	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1
30	2	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	0	0	0	0	1
31	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1.1

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - SW NO 14902 286 PAGET ST. CORUNNA													MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	
2	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1
3	1	1	1	2	1	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
4	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	
5	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	4	5	4	4	3	2	3	2	3
6	2	2	2	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	2	1	1	2
7	1	1	2	2	2	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1
8	1	1	1	1	1	1	1	1	2	2	2	1	2	2	2	2	1	1	1	1	2	2	2	2	2
9	2	2	1	2	1	1	2	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	3	2	1
10	2	3	2	2	1	1	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	1	2	2	1	1	2	2	3	3	2	2	2	2	1	1	1	1	1	1	1	1	2
12	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	1
13	4	4	4	4	4	3	2	2	2	3	3	3	3	3	3	3	3	4	4	4	3	3	3	2	3
14	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	1	2
15	0	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	1
16	2	2	2	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	0	1	2	2	3	4	3	2	1
18	2	2	2	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
19	2	2	3	3	3	2	2	2	2	2	3	3	3	4	4	3	3	3	3	3	2	2	2	2	4
20	2	2	2	2	3	3	3	3	4	3	3	4	5	5	5	5	5	5	5	5	4	4	3	3	3
21	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	1	1	1	2	2	2
22	2	2	2	1	1	1	1	1	1	2	2	2	2	3	3	2	1	1	1	0	1	1	1	1	1
23	2	2	2	2	1	0	0	2	1	0	1	1	2	2	2	3	3	2	3	3	3	2	2	2	2
24	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1	1	1	2	1	1	1	1
26	2	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	1	2	2	1	1	2	2	1
27	2	1	1	1	1	1	1	2	1	0	0	0	0	0	1	1	0	0	0	0	1	1	0	0	1
28	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0
29	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	1	1	1
MEAN	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 99.4

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

286 PAGET ST. CORUNNA

MONTH - MAR 80

PERCENTAGE OF DATA UNAVAILABLE - 0.0

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

286 PAGET ST. CORUNNA

MONTH - APR 80

PERCENTAGE OF DATA UNAVAILABLE - 0.0

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14902 286 PAGET ST. CORUNNA												MONTH - MAY 80													
STATION - SW	NO 14902	286	PAGET	ST.	CORUNNA																				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	2	2	3	2	2	2	***	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****	
2											-	DATA UNAVAILABLE	-												
3											-	DATA UNAVAILABLE	-												
4											-	DATA UNAVAILABLE	-												
5											-	DATA UNAVAILABLE	-												
6											-	DATA UNAVAILABLE	-												
7											-	DATA UNAVAILABLE	-												
8											-	DATA UNAVAILABLE	-												
9											-	DATA UNAVAILABLE	-												
10											-	DATA UNAVAILABLE	-												
11											-	DATA UNAVAILABLE	-												
12											-	DATA UNAVAILABLE	-												
13											-	DATA UNAVAILABLE	-												
14											-	DATA UNAVAILABLE	-												
15											-	DATA UNAVAILABLE	-												
16											-	DATA UNAVAILABLE	-												
17											-	DATA UNAVAILABLE	-												
18											-	DATA UNAVAILABLE	-												
19											-	DATA UNAVAILABLE	-												
20											-	DATA UNAVAILABLE	-												
21											-	DATA UNAVAILABLE	-												
22											-	DATA UNAVAILABLE	-												
23											-	DATA UNAVAILABLE	-												
24											-	DATA UNAVAILABLE	-												
25											-	DATA UNAVAILABLE	-												
26											-	DATA UNAVAILABLE	-												
27											-	DATA UNAVAILABLE	-												
28											-	DATA UNAVAILABLE	-												
29											-	DATA UNAVAILABLE	-												
30											-	DATA UNAVAILABLE	-												
31											-	DATA UNAVAILABLE	-												
MEAN	2	2	2	2	3	2	2	2	***	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	2.1	

PERCENTAGE OF DATA VALID - 1.1 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 98.8

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 2. -.- INDICATES DATA IS UNAVAILABLE
 3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT				UNITS - 0.01 PARTS/MILLION	
STATION - SW NO 14902 286 PAGET ST. CORUNNA					
MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING	
JAN	31	1.1	2	4	
FEB	29	1.5	4	5	
MAR	31	1.3	3	5	
APR	22	1.7	3	6	
MAY	0	2.1	****	3	
YEAR	113	1.4	4	6	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14902 286 PAGET ST. CORUNNA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	525	209	2	0	0	0	0	736
FEB	405	260	27	0	0	0	0	692
MAR	455	262	22	0	0	0	0	739
APR	273	251	45	0	0	0	0	569
MAY	0	8	0	0	0	0	0	8
YEAR	1658	990	96	0	0	0	0	2744

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
75.2	0	0.0	0.3	0.7	1.4	2.4	2.9	3.6	4.0	6	1.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14903 VIRGIL LA SALLE, FROOMFIELD SARNIA

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																										
2																										
3																										
4																										
5																										
6																										
7																										
8																										
9																										
10																										
11																										
12																										
13																										
14																										
15																										
16	3	2	2	3	2	2	4		6	1	3	1	1	2	4	3	5	3	3	3	3	3	3	3	2	*****
17	4	3	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	3
18	1	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	1	2	1	2	2	2	2
19	1	1	1	1	1	1	1	2	3	2	2	3	5	2	3	2	2	4	3	4	2	4	3	2	1	2
20	2	2	2	1	1	1	1	2	3	4	5	6	4	*****	*****	8	7	4	3	3	3	3	4	3	3	3
21	3	2	2	2	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	4	4	3	2	4	3	4	2	3	*****	*****
22	4	5	4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
23	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
24	4	3	3	4	5	3	6	6	8	6	5	4	6	5	2	2	2	2	3	3	3	3	3	3	3	4
25	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	2	2	2	1	1	2	3	3	3	3	2	3	3	2	1	5	4	3	2	2	2	2	2	2	2	2
28	2	3	2	1	2	4	4	4	5	6	4	4	6	6	6	6	6	5	4	2	3	4	2	2	4	4
29	1	1	1	1	1	1	2	2	3	2	2	4	3	3	3	2	2	2	*****	*****	*****	*****	*****	*****	*****	*****
30	2	2	2	2	1	1	2	2	2	2	2	1	2	2	1	2	1	1	1	1	2	2	2	2	2	2
31	2	1	1	1	2	1	2	2	2	2	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
MEAN	2	2	2	2	2	2	2	3	3	3	2	3	3	2	2	3	3	2	2	2	2	3	3	3	3	2.4

PERCENTAGE OF DATA VALID - 46.0

PERCENTAGE OF DATA INVALID - 7.8

PERCENTAGE OF DATA UNAVAILABLE - 46.2

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "*****" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14903 VIRGIL LA SALLE, FROOMFIELD SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY	13	2.4	4	8
JUN	28	1.4	2	6
JUL	31	1.4	3	7
AUG	31	1.4	2	5
SEP	19	1.4	2	6
YEAR	122	1.5	4	8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14903 VIRGIL LA SALLE, FROOMFIELD SARNIA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	101	175	63	3	0	0	0	342
JUN	419	232	19	0	0	0	0	670
JUL	450	263	24	1	0	0	0	738
AUG	445	287	10	0	0	0	0	742
SEP	291	154	15	0	0	0	0	460
YEAR	1706	1111	131	4	0	0	0	2952

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
80.4	0	0.0	0.4	0.8	1.4	2.4	2.9	3.9	4.9	8	1.5

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.7	4	7
FEB	29	3.0	5	6
MAR	31	2.5	4	10
APR	30	2.1	3	7
MAY	31	1.9	4	9
JUN	23	1.9	4	8
JUL	31	1.5	3	7
AUG	31	1.5	2	7
SEP	30	1.8	3	9
OCT	31	1.8	3	6
NOV	30	1.9	3	7
DEC	25	1.9	4	7
YEAR	353	2.0	5	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	94	457	179	1	0	0	0	731
FEB	85	348	249	0	0	0	0	682
MAR	185	359	184	1	0	0	0	729
APR	261	348	85	1	0	0	0	695
MAY	344	290	86	7	0	0	0	727
JUN	280	196	61	7	0	0	0	544
JUL	408	283	33	2	0	0	0	726
AUG	434	256	34	1	0	0	0	725
SEP	317	334	52	2	0	0	0	705
OCT	298	404	30	0	0	0	0	732
NOV	298	350	61	1	0	0	0	710
DEC	247	315	61	2	0	0	0	625
YEAR	3251	3940	1115	25	0	0	0	8331

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.8	0	0.0	0.7	1.4	2.1	3.4	3.9	4.7	5.1	10	2.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH - JUL 80

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	1	1	1	1	1	2	1	1	2	2	2	2	2	2	2	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
3	1	1	2	3	3	2	2	2	1	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2
4	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	4	6	4	3	2
6	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1
7	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
8	1	1	1	2	2	2	1	1	1	1	1	1	1	1	2	2	1	2	2	2	2	1	1	2
9	2	2	2	1	1	1	2	2	2	2	2	1	2	2	2	1	1	1	1	1	2	2	2	2
10	2	3	3	3	3	3	2	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	2
11	2	2	2	1	2	2	2	3	2	2	1	2	2	2	1	1	1	1	1	1	1	2	2	2
12	2	2	2	2	2	2	2	3	1	1	1	1	2	1	1	1	2	2	2	3	3	3	3	2
13	3	3	3	3	3	2	2	3	2	1	1	1	1	1	1	1	2	2	2	3	3	3	2	2
14	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2
15	3	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	3	3	2	2	3	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	4	4	3	3	3	2	2	2
18	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	2	2	2
19	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	3	2	3	3	2
20	2	2	2	2	2	1	1	2	1	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
21	2	2	2	2	1	1	2	2	1	1	1	2	1	1	1	2	2	2	2	1	1	1	1	2
22	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	2	2	2	1	1	5	6	3	2
23	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1
24	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
25	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	1	1	1	2	2	1	2	1
26	1																							

PERCENTAGE OF DATA VALID - 99.7

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION • WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH - AUG 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
3	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
11	2	2	2	2	2	2	2	2	2	1	1	2	2	3	2	1	1	1	1	2	1	2	2	1	2
12	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
18	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	3	2	2	3	4	2	2	2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2
21	2	2	2	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2
22	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	1	1	1	2
23	2	3	2	3	3	3	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
24	1	2	2	2	2	2	2	2	2	1	1	1	2	2	2	1	2	2	2	3	2	2	2	2	2
25	2	2																							

PERCENTAGE OF DATA VALID - 98.1

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 - EXPERIMENTAL FARM SIMCOE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.0	2	4
FEB	27	0.9	2	5
MAR	29	0.9	2	9
APR	24	1.1	2	5
MAY	31	1.4	2	6
JUN	30	1.3	2	5
JUL	31	1.6	2	6
AUG	30	1.5	2	4
SEP	30	1.2	2	4
OCT	31	1.1	2	3
NOV	30	1.3	3	4
DEC	26	1.4	3	5
YEAR	350	1.2	3	9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 - EXPERIMENTAL FARM SIMCOE

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	561	171	5	0	0	0	0	737
FEB	505	129	14	0	0	0	0	648
MAR	563	148	6	1	0	0	0	718
APR	423	188	8	0	0	0	0	619
MAY	495	221	27	0	0	0	0	743
JUN	490	220	6	0	0	0	0	716
JUL	347	388	7	0	0	0	0	742
AUG	362	365	3	0	0	0	0	730
SEP	559	155	4	0	0	0	0	718
OCT	584	159	0	0	0	0	0	743
NOV	448	260	2	0	0	0	0	710
DEC	374	222	20	0	0	0	0	616
YEAR	5711	2626	102	1	0	0	0	8440

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.1	0	0.0	0.3	0.7	1.1	1.8	2.2	2.8	3.2	9	1.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 22086													MONTH - JAN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	0	1
2	0	1	1	1	1	2	4	4	4	3	3	2	1	1	1	2	2	2	2	2	2	2	2	1	2
3	1	0	0	0	0	0	0	1	1	1	1	...	0	1	1	1	1	2	1	1	1	2	2	1	2
4	2	2	2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1
5	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	2	2	2	2	2	1
6	0	0	0	1	1	1	1	0	1	2	1	1	0	1	1	1	1	1	1	1	1	1	0	0	1
7	2	2	3	1	2	2	2	2	1	0	0	0	0	1	1	1	1	1	1	1	2	4	4	2	1
8	0	1	1	1	1	1	0	0	0	0	0	0	2	2	3	3	3	1	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	0	0	0	0	0	0
10	0	0	0	0	0	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	4	3	2
11	3	3	3	3	3	3	3	2	2	2	2	2	3	3	2	3	3	3	2	2	2	2	2	2	3
12	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	0	1	1	1
13	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2
14	3	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3	3	4	4	3	2
15	2	2	2	1	2	2	2	3	4	...	1	1	1	1	1	1	1	2	1	2	2	2	2	2	2
16	1	1	1	1	1	1	2	2	2	1	2	2	2	2	2	3	3	3	2	2	3	3	3	3	2
17	3	3	3	2	1	1	1	2	2	2	2	2	2	2	2	3	3	3	2	2	2	3	3	3	2
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2
19	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	2
20	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1
21	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	1
22	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1
23	0	0	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	0	0	0	0	0	0	0	1
24	0	0	0	1	1	1	1	1	0	1	0	0	0	1	1	1	1	1	0	0	0	0	0	0	1
25	1	1	1	1	0	0	0	0	0	0	0	...	2	2	2	2	2	2	2	2	1	0	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	3	0	0	0	0	0	1
27	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	2	1	1	1	1
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	1	1	1	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	****	****	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086															MONTH - FEB 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0										
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	***	***	***	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
6	3	3	3	3	3	4	3	2	2	2	2	2	1	1	1	1	2	2	3	2	1	1	1	1	1
7	2	1	1	0	0	1	***	***	***	0	1	2	2	2	2	2	1	1	1	1	1	1	1	1	2
8	0	0	0	0	0	0	0	0	***	-	-	2	3	3	2	2	2	2	2	2	1	0	0	0	1
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19																									
20																									
21	2	2	2	2	3	3	3	2	2	1	1	1	1	1	1	2	3	2	2	2	2	2	1	1	2
22	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	2	1	1	1	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0
24	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1	2	1	1	1	0	0	0	0	0
25	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	0	1	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	0	0	0	1
27	1	1	1	1	1	0	1	1	1	***	1	1	0	0	0	0	0	0	1	1	1	1	1	1	0
28	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0.6

PERCENTAGE OF DATA VALID - 57.0

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 41.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
4	1	1	1	1	1	2	3	4	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1
5	2	2	2	2	2	2	2	2	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	1	2
6	2	3	2	2	3	3	3	3	3	2	2	2	3	2	3	3	4	3	2	3	3	3	3	4	3
7	4	4	4	4	3	3	3	3	3	3	3	3	3	3	2	2	2	1	1	1	1	1	1	1	2
8	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	2	1	1	1	1	1	1	2
9	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1
10	1	1	1	1	1	0	0	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0
12	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
14	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	1	0	1	1	0	0	1	1	1	2	2	1	2	1	1	1	2	2	2	2	2	3	4	4	2
16	4	4	4	4	4	4	4	4	3	3	3	2	2	2	2	3	2	2	3	3	1	1	1	1	3
17	1	1	1	1	1	0	0	1	1	1	1	1	2	3	0	1	1	2	2	4	3	2	1	1	1
18	1	2	2	2	2	2	2	2	2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0
19	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	0	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1
21	1	1	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
22	2	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	4	5	5	5	2
23	5	4	5	5	5	5	4	3	3	0	3	2	2	2	2	2	2	2	2	2	3	2	2	2	3
24	3	3	2	2	3	2	2	2	2	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1
25	0	1	2	1	1	2	2	2	2	1	1	1	1	1	1	2	2	1	1	1	2	2	2	2	2
26	2	2	2	2	3	3	3	3	2	2	2	2	2	2	1	2	2	3	3	3	4	4	4	4	3
27	4	4	3	3	3	4	4	3	2	1	1	1	2	2	3	4	5	5	5	5	5	5	5	5	3
28	4	4	3	3	4	3	4	4	3	3	3	3	3	3	3	4	5	5	5	5	4	4	3	3	4
29	4	4	3	3	4	3	4	4	3	3	3	3	3	3	3	4	5	5	5	5	4	4	4	4	3
30	2	2	1	1	1	2	1	1	1	2	2	2	2	2	2	3	4	5	5	5	4	4	4	4	3
31	4	4	4	4	3	3	2	1	1	2	1	0	1	1	1	1	1	2	2	2	2	2	2	3	2
MEAN	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 93.4

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 4.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3. NANTICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	3	4
FEB	16	0.6	2	4
MAR	31	0.8	2	4
APR	26	1.2	2	6
MAY	31	1.1	2	5
JUN	30	0.7	1	5
JUL	31	0.6	2	3
AUG	31	0.5	2	3
SEP	30	0.2	2	3
OCT	30	0.6	2	3
NOV		DATA UNAVAILABLE		
DEC	28	1.6	4	5
YEAR	315	0.8	4	6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD. 3 KM S OF HWY 3, NANTICOKE

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	508	220	10	0	0	0	0	738
FEB	343	53	1	0	0	0	0	397
MAR	622	108	7	0	0	0	0	737
APR	459	176	10	0	0	0	0	645
MAY	560	171	9	0	0	0	0	740
JUN	649	66	1	0	0	0	0	716
JUL	659	80	0	0	0	0	0	739
AUG	690	46	0	0	0	0	0	736
SEP	690	23	0	0	0	0	0	713
OCT	607	109	0	0	0	0	0	716
NOV	DATA UNAVAILABLE							
DEC	395	230	70	0	0	0	0	695
YEAR	6182	1282	108	0	0	0	0	7572

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.9	0	0.0	0.0	0.2	0.7	1.6	2.0	2.8	3.4	6	0.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029

TRAILER EDNA/FREDERICK ST KITCHENER

MONTH - JAN 80

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
2	3	3	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	4	3	3	3	3	3	3	3
3	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
4	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
5	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
6	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
7	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
8	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2
9	2	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	4	3	3	3	3	3	3	3	2
10	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	5	5	5	5	5	5	5	5	4
11	***	4	3	3	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	1	1	2
12	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	2	2	1	1	2
13	2	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
14	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
15	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
16	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
18	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	3
19	1	1	1	1	0	0	1	1	1	2	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	0	0	0	1	1	1	2	2	3	3	3	2	2	2	2	2	2	1	2	2
21	1	1	1	0	0	1	1	1	2	2	2	2	3	3	2	2	3	4	5	4	4	3	3	3	2
22	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	1	1	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2
24	2	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2
25	4	4	4	4	4	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	3
26	3	3	3	3	2	2	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	4
27	2	2	1	1	1	1	1	1	1	2	2	1	2	3	3	3	3	3	3	2	2	3	3	2	2
28	2	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
30	2	2	1	1	1	2	3	3	3	3	3	3	3	4	3	3	4	4	4	4	4	4	3	3	3
31	3	3	2	2	2	2	3	3	3	3	3	4	4	4	3	3	3	3	4	3	3	3	3	3	3
MEAN	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.5

PERCENTAGE OF DATA VALID - 95.7

PERCENTAGE OF DATA INVALID - 4.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	4										
2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3		4	4	4	4	4	4	3	3	3
3																	3	3	3	2	....	....	....	....	3
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16	4	4	4	4	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	4	4	....
17	3	2	2	2	2	2	2	3	4	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3
18	2	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	2	1	3
19	1	1	1	0	0	0	0	1	2	3	3	3	3	3	3	3	3	3	3	3	2	2	1	1	2
20	2	2	2	1	1	1	1	1	1	2	3	3	4	4	4	4	3	3	3	2	2	2	2	2	2
21	2	1	1	2	1	1	1	1	1	1	1	2	2	2	1	1	1	1	2	2	2	2	2	2	2
22	3	3	3	2	2	2	3	3	3	4	3	3	3	3	3	3	3	3	3	2	2	2	2	2	1
23																									
24	....	....	....	....	....	....	....	....	....	....	3														
25	1	2	2	3	2	2	3	3	3	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	....
26	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	1	1	2	2	3	3	2
27																									
28																									
29																									
30	....	....	....	....	....	....	....	....	....	....	....			
31	3	3	3	3	3	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	4	4	4	3
MEAN	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2.6

PERCENTAGE OF DATA VALID - 40.1 PERCENTAGE OF DATA INVALID - 24.5 PERCENTAGE OF DATA UNAVAILABLE - 35.5

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.5	4	5
FEB	21	3.7	6	8
MAR	24	3.5	6	8
APR	29	2.5	3	5
MAY	16	0.8	3	4
JUN	30	2.5	5	11
JUL	31	2.7	5	8
AUG	31	3.0	6	11
SEP	30	3.0	4	7
OCT	31	1.9	4	6
NOV	30	2.4	4	6
DEC	10	2.6	3	4
YEAR	314	2.6	6	11

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	81	534	97	0	0	0	0	712
FEB	24	199	278	11	0	0	0	512
MAR	68	252	231	28	0	0	0	579
APR	98	516	85	0	0	0	0	699
MAY	323	99	3	0	0	0	0	425
JUN	134	429	137	11	1	0	0	712
JUL	144	432	151	12	0	0	0	739
AUG	103	425	173	34	1	0	0	736
SEP	49	456	208	3	0	0	0	716
OCT	246	432	60	0	0	0	0	738
NOV	134	507	70	0	0	0	0	711
DEC	38	199	61	0	0	0	0	298
YEAR	1442	4480	1554	99	2	0	0	7577

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	PERCENT 95	98	99	MAX	ARITH MEAN
86.3	0	0.3	1.4	2.0	2.7	3.9	4.7	5.7	6.5	11	2.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
3	1	1	1	1	1	1	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	3	3	2	2	3	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	2	2	2	2	2	2	3	2	2	2	3	3	3	4	5	4	3	3	3	3	3	3	3	3	3
11	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2
12	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
14	1	1	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	3	2	2	2	3	3	2	2	2	2	3	2	2	2	2	3	3	3	2	2	2	2	2	2	2
16	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2
17	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	1	1	1	1	1	0	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	2	2
21	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	1	1	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	3	3	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
26	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
28	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
29	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	2	2	2	1	2	2	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3
31	1	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
MEAN	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	3	3	3	3	3	3	4	3	3	3	3	3	2	2	1	2	3	3	3	4	4	4	4	4	2
6	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	3	3
7	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3	3	3	3
8	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2
9	1	1	1	1	1	1	2	2	3	***	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2
10	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1
11	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
12	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
15	1	1	1	1	1	2	3	3	3	3	3	3	2	2	3	3	3	3	3	2	2	2	2	2	2
16	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2
17	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	3	3	3	3	3	3
18	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2
19	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
20	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	2	2	2	3	2	3	3	3	2	2	2	2	3	3	3	3	3	3	3	3	2
23	3	3	3	3	3	3	3	3	3	***	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
24	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	1	1	1	1	1	1	1	1	2	2	1	1	1	1	2	2	2	2	2	2	2	2	3	3	2
26	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	3	3	3	3	3	3	3	2
27	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3
28	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	4	4	4	3
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	3	3	3	3	3	3
30	1	1	1	1	1	1	1	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2
31	2	2	1	1	2	2	2	2	2	***	***	1	1	1	1	1	1	2	2	2	2	2	2	2	2
MEAN	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.1	3	7
FEB	29	2.7	5	7
MAR	29	2.6	4	7
APR	28	2.0	3	6
MAY	30	2.3	4	9
JUN	26	2.0	3	6
JUL	31	1.9	3	7
AUG	30	2.0	3	6
SEP	30	1.9	4	6
OCT	31	1.6	4	5
NOV	30	1.5	4	5
DEC	31	1.9	3	4
YEAR	356	2.0	5	9

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	140	593	3	1	0	0	0	737
FEB	73	484	124	2	0	0	0	683
MAR	119	451	133	2	0	0	0	705
APR	239	380	45	0	0	0	0	664
MAY	219	408	88	5	0	0	0	720
JUN	224	362	50	0	0	0	0	636
JUL	258	436	40	1	0	0	0	735
AUG	248	423	43	0	0	0	0	714
SEP	314	332	63	0	0	0	0	709
OCT	352	340	34	0	0	0	0	726
NOV	335	326	52	0	0	0	0	713
DEC	243	450	44	0	0	0	0	737
YEAR	2764	4985	719	11	0	0	0	8479

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.5	0	0.1	0.9	1.5	2.1	2.9	3.5	4.0	4.5	9	2.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	2	3	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	1	1	0	0	0	1	1	2
3	1	1	1	1	0	0	0	1	1	1	1	1	1	0	0	0	0	1	1	2	1	2	2	2	1
4	1	2	2	2	2	2	2	2	2	2	2	0	0	0	0	1	0	0	0	0	0	0	0	0	1
5	0	0	0	0	0	0	2	2	2	2	2	2	1	1	1	2	2	1	1	1	2	1	1	1	1
6	2	2	2	2	2	2	2	2	2	2	1	0	1	2	2	1	1	1	1	2	2	1	1	1	1
7	2	2	2	2	2	3	3	3	3	3	2	1	2	2	2	2	2	2	2	2	3	2	2	2	2
8	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
9	3	2	2	2	2	2	2	2	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
10	3	2	2	2	2	2	2	2	3	2	2	1	1	1	1	2	4	2	1	1	1	2	3	2	2
11	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3
12	2	2	2	2	1	1	1	2	3	3	2	2	3	2	3	3	3	3	3	3	3	3	2	2	3
13	3	3	2	3	2	1	1	1	0	1	0	1	1	1	1	2	2	2	3	3	3	2	3	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	1	0	1	2	2	2	2	2	2	3	0	0	0	0	1	1	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	1
17	2	2	2	2	2	2	2	2	2	2	1	1	2	3	3	3	3	3	3	3	3	3	2	2	0
18	2	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	2	2	1	0	0	1	1	1	2	2	2	2	2	3	3	3	2	2	2	2	2	3	2	2
21	2	2	2	2	1	2	2	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	2	2	3
22	2	2	2	2	2	2	2	3	3	3	3	2	2	3	2	3	3	3	3	3	3	2	2	2	3
23	2	2	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2
24	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
25	3	2	2	3	3	3	3	3	3	3	2	1	1	1	2	2	3	3	3	3	3	3	3	3	3
26	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
27	2	2	2	2	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3
28	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
29	3	3	3	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
30	2	2	2	1	2	2	3	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	2	2	2
31	1	0	1	2	2	1	1	1	2	3	2	1	2	3	2	1	2	2	2	2	2	1	0	1	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - DEC 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	2	2	2	2	3	***	***	***	1	2	3	3	2	3	2	3	2	2
2	1	1	1	1	1	2	2	2	2	3	4	***	4	3	4	3	2	2	2	2	2	2	2	2	2
3	1	1	1	1	1	2	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	2	3
4	2	1	1	1	0	1	2	3	3	3	3	3	***	0	0	0	1	1	4	4	3	-	3	3	2
5	3	3	3	3	3	3	3	3	3	***	1	1	0	0	1	1	1	1	0	0	0	3	3	2	2
6	2	3	2	1	2	3	3	3	3	1	1	0	0	0	0	0	0	1	2	2	2	1	1	1	1
7	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	3	2	3	2	2	2	2	2	2	2
8	-	2	1	2	2	2	1	2	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	3	3	3	4	3	2	1	1	1	2	2	2	1	1	1	2	2	2	2
10	2	2	2	2	2	2	2	3	3	3	3	3	1	1	1	2	2	2	2	3	-	-	2	2	2
11	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	***	***	2	2	2	3	3	3	3
12	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	2	3
13	2	2	2	2	1	1	2	3	3	3	3	3	***	2	2	2	2	3	3	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2
15	3	3	3	2	3	3	3	3	2	1	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3
16	3	3	3	2	2	2	2	2	3	4	3	3	3	***	***	2	2	2	***	4	4	3	3	3	3
17	0	0	1	1	2	2	2	2	2	2	2	1	1	1	1	1	2	1	1	1	2	3	2	0	2
18	2	2	2	2	2	2	2	2	2	3	3	4	3	3	3	3	3	3	3	3	***	3	3	3	2
19	2	2	2	1	1	2	2	3	3	***	1	2	3	3	3	3	3	3	3	3	3	-	-	-	2
20	2	2	2	2	2	2	2	3	3	3	3	3	-	-	3	3	3	3	3	2	2	2	2	2	2
21	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3
22	2	2	2	2	2	2	2	3	3	2	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3
23	4	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	3	3	3	3	3	3	3	3	3
24	2	2	2	2	2	2	2	2	2	2	1	2	2	2	3	3	3	3	***	3	3	3	3	3	3
25	0	0	0	0	0	0	1	1	2	2	2	2	2	3	3	3	3	3	3	3	2	0	0	0	2
26	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2
27	3	2	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	2	3	2	2	2	2
28	3	3	3	3	3	3	3	3	3	3	2	2	3	3	1	2	3	4	4	3	3	4	3	4	3
29	3	3	3	3	3	3	4	3	3	3	2	4	4	3	3	3	3	4	3	3	3	3	4	3	3
30	0	0	0	0	0	0	0	1	1	2	2	2	2	2	2	3	3	3	3	2	2	1	1	1	3
31	2	2	2	2	2	3	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	-	1
MEAN	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	3	2	2	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.0	3	4
FEB	29	2.5	4	5
MAR	31	2.6	5	9
APR	30	2.2	5	8
MAY	30	3.4	10	15
JUN	29	3.5	9	15
JUL	31	4.1	7	11
AUG	31	3.5	8	12
SEP	30	3.1	5	12
OCT	21	2.5	5	8
NOV	22	2.1	3	5
DEC	31	2.3	3	4
YEAR	346	2.8	10	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	159	574	2	0	0	0	0	735
FEB	116	455	110	0	0	0	0	681
MAR	222	269	237	6	0	0	0	734
APR	281	271	139	11	0	0	0	702
MAY	184	222	249	54	8	4	0	721
JUN	213	177	146	89	21	2	0	648
JUL	137	193	271	130	1	0	0	732
AUG	220	171	220	112	4	0	0	727
SEP	161	264	255	32	1	0	0	713
OCT	73	343	77	4	0	0	0	497
NOV	106	398	20	0	0	0	0	524
DEC	116	576	24	0	0	0	0	716
YEAR	1988	3913	1750	438	35	6	0	8130

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.6	0	0.0	1.2	2.1	2.9	4.9	6.4	7.9	9.1	15	2.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
2	3	3	3	3	2	3	3	3	2	2	2	2	2	2	2	2	3	2	2	1	1	0	1	1	2
3	0	1	1	1	0	0	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	3	3	2
4	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	2	3	3	2	2	2	2	3
5	2	2	3	3	***	2	2	2	2	2	3	3	3	3	3	4	3	1	1	1	1	0	1	2	2
6	2	3	3	3	3	3	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3
7	2	2	2	3	2	1	2	2	1	1	1	2	1	2	2	2	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2
9	2	2	1	1	1	1	2	2	2	2	3	2	2	3	3	3	3	3	3	2	3	2	3	3	2
10	3	3	3	3	3	3	3	3	3	3	4	3	3	4	4	4	5	4	4	4	3	4	3	3	3
11	3	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	2	2	2	2	2	1	1	2
12	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	4	2
13	4	4	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	3	2	2	2	3
14	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	3	2	2	2	2	2	3	4	2	2	3	3	3	3	3	3	3	3	3	3	2
16	2	2	1	2	1	1	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2
17	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
18	2	1	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	1	1	1	1	1	1	2	2	3	3	3	3	3	3	3	3	3	2	3	3	3	3	2
20	7	2	1	1	1	1	1	1	1	1	0	0	1	1	1	2	2	2	3	3	2	2	2	2	2
21	1	1	1	1	1	1	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2
22	2	2	2	2	1	2	3	3	3	3	3	3	2	2	2	2	3	3	3	3	2	2	2	2	2
23	2	1	1	1	1	2	3	7	3	4	4	3	4	3	3	3	3	4	3	3	3	2	2	2	3
24	2	2	2	2	1	2	3	3	4	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
25	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
26	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	3	3	3	2	2	2
28	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	3	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2	3	3	3	3	2
30	3	2	2	1	1	1	2	3	2	2	1	2	2	2	2	2	2	2	2	-	1	1	1	1	1
31	1	1	1	0	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	2	2.3

PERCENTAGE OF DATA VALID - 99.1 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
STATION - WC NO 29025	BARTON/WENTWORTH HAMILTON											MONTH - DEC 80												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	2	2	2	3	3	3	3	3	3	4	4	4	4	3	4	4	3	3	4	3	3
2	3	3	3	3	3	3	3	2	3	4	4	4	4	4	3	3	3	2	2	1	1	1	1	3
3	1	1	1	1	1	1	1	2	3	3	2	3	2	3	3	3	2	1	2	2	2	3	3	2
4	2	2	1	2	1	2	3	4	4	4	4	5	4	3	3	4	4	5	5	4	4	4	4	3
5	4	4	4	4	4	4	4	4	4	3	3	4	3	3	3	3	3	2	3	4	4	4	4	3
6	3	4	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2
7	3	3	3	3	3	3	2	2	2	2	2	3	2	2	3	3	3	2	2	2	2	2	2	1
8	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	0	0	1	1	1	1	1
9	1	0	0	0	0	1	2	2	2	2	1	3	2	2	2	3	3	3	2	-	-	2	2	2
10	2	1	1	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	0	0	1	1	1
11	2	2	3	3	2	2	3	3	3	9	3	3	3	3	3	3	3	3	3	-	-	-	-	3
12	2	2	2	2	2	2	2	2	3	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	1	1	1	0	0	0	1	1	1	0	0	0	1	1	1	3	3	3	2	2	1	1
14	2	1	1	1	1	1	0	0	1	1	0	0	0	0	1	2	3	3	2	3	3	2	2	1
15	1	1	1	1	1	2	2	3	3	3	3	3	3	3	4	2	3	3	4	4	3	3	3	3
16	3	3	2	3	2	2	3	3	3	5	2	4	2	2	3	3	3	2	1	1	1	1	1	2
17	1	1	0	0	0	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3	2
18	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	3
19	2	2	1	1	1	1	2	3	2	1	1	1	-	-	3	3	3	3	3	3	3	2	2	2
20	2	2	2	1	1	1	2	2	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2
21	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	3	3	3	2
22	3	2	2	2	2	3	3	3	2	2	3	3	3	3	3	3	3	3	3	4	3	3	3	3
23	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	3
24	2	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
26	3	2	2	2	2	2	2	2	3	3	2	2	2	3	3	3	3	3	3	3	3	3	3	3
27	3	3	3	3	3	3	3	3	3	3	3	3	3	4	3	4	4	4	4	4	4	5	4	3
28	5	5	5	5	5	5	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	4
29	3	3	3	3	3	3	3	3	3	4	4	5	4	4	4	4	4	4	3	2	2	2	2	3
30	1	0	1	0	0	1	1	2	3	3	3	3	3	3	4	4	3	3	3	3	4	4	4	2
31	4	4	4	4	4	4	4	4	4	4	4	4	4	3	3	3	3	3	3	4	3	3	-	4
MEAN	2	2	2	2	2	2	2	2	3	3	2	3	3	2	3	3	3	3	3	3	2	3	2	2.4

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.3	3	7
FEB	29	2.9	5	6
MAR	31	3.0	4	7
APR	30	3.0	4	7
MAY	24	3.4	6	15
JUN	27	2.9	5	13
JUL	31	2.8	5	8
AUG	31	2.3	4	9
SEP	30	2.5	5	7
OCT	31	2.2	4	5
NOV	30	2.3	4	5
DEC	31	2.4	4	9
YEAR	356	2.7	6	15

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	126	591	18	2	0	0	0	737
FEB	87	389	209	0	0	0	0	685
MAR	99	349	291	1	0	0	0	740
APR	105	335	259	6	0	0	0	705
MAY	104	232	195	38	1	1	0	571
JUN	170	254	193	16	3	0	0	636
JUL	158	348	223	5	0	0	0	734
AUG	202	406	120	2	0	0	0	730
SEP	187	353	158	8	0	0	0	706
OCT	186	454	95	0	0	0	0	735
NOV	151	499	64	0	0	0	0	714
DEC	139	482	99	1	0	0	0	721
YEAR	1714	4692	1924	79	4	1	0	8414

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.8	0	0.3	1.4	2.1	2.8	3.9	4.6	5.5	6.0	15	2.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2
2	2	2	2	2	2	2	1	2	2	2	2	1	***	1	2	2	2	3	2	2	2	2	2	2	2
3	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
4	2	3	2	2	2	2	2	2	3	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	***	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	2
6	3	3	3	3	2	2	3	2	2	2	3	2	1	1	1	2	2	3	3	3	3	3	3	3	2
7	2	2	1	1	1	1	1	2	2	1	1	1	***	2	2	2	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	2	1	3	2	1	1	2	2	2	3	3	3	3	2	2	2	1	1	2
9	1	1	1	1	2	2	2	3	3	2	2	2	1	1	1	2	3	3	3	3	2	2	2	2	2
10	3	3	2	2	3	3	3	3	3	3	3	2	2	2	3	3	3	3	3	2	2	3	3	3	3
11	3	3	3	3	3	3	2	3	2	2	2	***	2	3	3	3	2	3	2	2	1	1	1	1	2
12	1	1	0	0	0	0	0	0	0	1	0	1	1	1	1	1	1	2	3	2	2	2	3	3	1
13	2	2	3	3	3	3	2	1	1	1	1	1	1	2	2	2	3	3	3	3	2	2	3	3	1
14	1	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	3	3	3	3	2	2	2	1	2
15	3	3	3	2	2	2	3	3	3	3	3	2	2	1	1	3	3	3	3	3	2	2	3	3	2
16	2	1	2	1	1	1	2	2	2	2	2	1	2	2	2	2	2	***	2	2	1	2	2	2	2
17	2	1	2	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	4	3	3	2	2	2	3
18	2	2	1	2	1	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3	3	3	3	3
19	2	2	2	1	1	1	1	1	1	1	2	1	2	1	2	2	2	1	2	2	2	2	2	1	2
20	1	1	1	0	1	1	1	1	1	0	1	1	1	1	1	1	1	1	2	2	2	3	2	2	1
21	1	2	1	1	1	1	2	3	3	2	1	1	1	1	1	2	2	2	2	3	3	3	3	3	2
22	2	2	2	2	2	1	1	2	2	2	2	***	***	2	2	2	2	2	3	3	2	2	2	2	2
23	2	2	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	3	3	2	2	2	2	2
24	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	1	2
25	3	3	3	3	4	4	3	4	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
26	3	3	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3
27	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	3	3	3	2
28	3	3	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2
29	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	3	3	3	4	3	3	3	2	2
30	3	3	2	1	1	2	1	2	3	2	2	2	2	2	2	2	***	***	3	3	3	2	3	2	2
31	2	2	1	1	1	1	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO														MONTH - DEC 80										
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	3	3	3	2	3	3	2	2	3	3	4	5	3	4	3	3	4	3	3	3
2	3	2	2	2	2	2	3	4	4	3	2	***	3	4	4	3	2	2	2	2	1	1	0	2
3	0	0	0	0	0	0	1	1	2	2	1	2	1	1	1	2	3	2	2	2	1	1	0	2
4	3	3	2	2	2	2	2	4	4	5	4	3	3	4	4	4	5	4	4	3	3	4	2	2
5	4	4	4	3	3	3	4	4	4	3	2	2	1	2	2	3	3	4	4	4	5	4	4	4
6	4	4	4	4	5	4	4	4	4	3	4	3	2	2	3	3	2	3	4	5	6	5	5	4
7	2	3	3	4	3	3	2	2	2	2	2	3	3	2	3	3	4	3	2	3	3	4	3	3
8	3	4	4	3	4	3	4	3	3	5	4	3	3	3	-	-	2	2	1	1	2	1	1	3
9	1	1	1	1	1	1	2	3	4	3	3	3	4	4	3	3	4	4	4	1	2	1	1	3
10	3	3	3	3	2	2	2	3	3	3	2	2	1	2	2	***	***	2	2	1	2	2	2	2
11	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2	3	2	3	-	-	-	2	2
12	2	2	2	2	2	2	3	2	2	3	2	3	2	3	3	3	3	4	3	2	2	2	2	2
13	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	2	2	3	4	4	4	3	2	3
14	2	2	2	1	1	0	0	1	1	1	1	0	0	0	1	2	2	3	3	3	3	3	1	2
15	2	2	2	2	2	3	3	3	3	3	3	3	4	3	4	5	6	***	4	5	4	4	5	3
16	4	3	3	3	3	3	3	3	3	3	2	3	3	3	2	3	3	3	3	3	2	2	2	3
17	***	2	3	3	2	2	3	3	4	4	5	6	5	3	3	4	3	***	***	***	***	***	***	3
18	***	2	2	2	2	2	2	2	2	***	***	***	1	2	2	3	4	3	3	3	-	-	-	2
19	2	2	2	1	1	1	1	2	2	3	2	1	-	-	2	3	4	4	4	4	3	3	2	2
20	3	3	2	2	1	1	3	3	3	2	2	2	1	1	2	3	3	3	4	3	2	2	3	2
21	3	3	2	1	1	2	2	2	1	1	2	1	1	1	1	2	2	3	3	3	3	3	3	2
22	3	3	3	3	3	3	3	3	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3
23	3	4	4	4	4	4	4	4	4	4	4	3	3	4	4	4	4	***	3	3	3	3	3	3
24	3	3	3	3	3	3	3	3	2	2	2	2	2	1	2	2	1	2	1	1	2	2	2	2
25	2	1	1	1	1	1	1	3	2	2	2	2	3	3	3	3	4	4	3	3	3	3	3	2
26	3	3	2	2	2	2	3	3	3	3	2	2	2	2	2	3	3	3	3	3	3	3	3	3
27	3	3	3	3	3	4	5	4	3	3	4	4	4	4	3	4	4	3	4	3	4	5	4	4
28	5	4	3	3	6	6	5	6	5	4	4	3	3	3	3	4	4	4	4	4	4	4	4	4
29	4	4	4	4	4	4	3	4	4	4	4	4	4	3	4	3	3	3	3	2	2	2	2	3
30	2	1	1	1	1	1	1	2	3	3	2	1	2	4	1	3	3	4	3	3	3	4	3	2
31	3	3	3	3	3	3	4	4	4	3	3	3	3	3	2	3	4	4	4	3	3	3	3	3
MEAN	3	3	2	2	2	3	3	3	3	3	3	2	3	2	3	3	3	3	3	3	3	3	3	2.8

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 2.3

PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.0	3	4
FEB	28	2.8	5	7
MAR	27	3.0	5	8
APR	30	2.9	5	8
MAY	29	3.2	9	13
JUN	30	3.5	8	14
JUL	31	3.4	5	10
AUG	31	2.8	5	12
SEP	30	2.5	5	8
OCT	30	2.5	5	11
NOV	29	2.3	4	5
DEC	31	2.8	4	6
YEAR	357	2.8	9	14

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	167	540	6	0	0	0	0	733
FEB	94	355	192	1	0	0	0	642
MAR	138	271	232	15	0	0	0	656
APR	125	367	206	10	0	0	0	708
MAY	127	346	182	42	8	0	0	705
JUN	149	260	225	69	8	1	0	712
JUL	93	326	270	45	0	0	0	734
AUG	137	393	175	20	1	0	0	726
SEP	178	386	150	2	0	0	0	716
OCT	152	470	94	2	2	0	0	720
NOV	144	473	82	0	0	0	0	699
DEC	91	457	165	0	0	0	0	713
YEAR	1595	4664	1979	206	19	1	0	8464

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.4	0	0.5	1.4	2.1	2.8	4.3	5.2	6.5	7.3	14	2.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	4	4	4	4	3	3	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3
2	2	2	1	1	1	1	1	2	2	2	2	2	2	3	2	3	3	2	2	2	2	2	2	2	2
3	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	2	2	2	4	4	4	4	3	3	3	1	3	3	3	2	2	3	2	2	3	3	3
5	3	3	2	2	2	2	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	2	2
6	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2
7	2	2	1	1	1	1	2	2	2	1	2	2	2	2	2	1	3	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	3	3	3	3	2	2	3	2	2
9	2	1	1	1	2	2	2	3	3	3	3	3	2	2	2	2	3	3	3	3	2	2	2	2	2
10	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2	3	3	3	3	2	2	2	3
11	3	3	2	2	2	2	3	3	3	3	3	2	3	3	3	2	3	3	3	2	2	2	2	2	3
12	1	1	1	1	0	1	1	1	1	2	1	2	1	1	2	2	2	3	3	2	3	3	3	3	2
13	3	3	3	3	3	2	1	1	1	2	2	2	2	2	3	3	3	3	3	2	2	2	2	2	2
14	1	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	3	2	2	2	2	2	2	3	3	4	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2
16	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	2	2	2	2	2	2	2
17	2	2	1	1	2	1	2	2	3	3	3	3	2	2	2	2	2	2	2	2	2	1	1	1	2
18	1	1	1	0	1	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	2	2	2	2	1
19	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	2	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	2	2	2	2	2	2	2	1
21	2	2	2	1	1	1	2	2	3	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2
22	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23																									
24	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
25	4	3	3	3	3	3	3	3	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
26	3	3	3	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
28	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	3
29	2	1	2	2	1	2	2	2	2	3	3	3	3	3	2	2	2	3	3	3	2	2	2	2	2
30	2	2	2	2	1	1	2	3	3	3	3	2	2	2	1	1	2	3	3	3	2	2	2	2	2
31	2	1	1	1	1	1	1	2	3	3	2	3	3	2	2	3	3	3	2	2	2	2	2	2	2
MEAN	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2.2

PERCENTAGE OF DATA VALID - 94.8

PERCENTAGE OF DATA INVALID - 5.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	2.2	3	4
FEB	23	2.8	4	5
MAR	30	3.2	5	9
APR	30	3.1	6	8
MAY	31	3.5	8	12
JUN	30	3.6	8	13
JUL	26	4.0	7	11
AUG	31	3.5	7	10
SEP	30	3.2	5	10
OCT	31	2.7	6	10
NOV	28	2.4	3	5
DEC	31	2.6	4	6
YEAR	351	3.0	8	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	3	2	3	3	3	3	2	3	3	3	3	4	3	3	2	2	3	2	2	3
2	2	2	2	2	2	2	3	3	3	3	3	4	4	4	4	4	3	2	2	2	2	1	1	1	3
3	1	0	0	0	0	1	1	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2
4	3	3	2	2	2	2	3	4	4	4	5	5	4	4	5	4	5	4	4	4	3	-	4	****	4
5	***	***	***	***	***	3	3	3	0	***	***	***	***	4	4	4	5	4	4	4	5	5	5	5	5
6	-	4	4	4	4	4	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	2	2	3	3
7	2	2	3	2	3	2	2	2	2	2	2	2	2	2	2	2	3	2	3	2	2	2	3	2	2
8	2	2	2	2	2	2	2	3	3	3	3	4	3	3	3	3	2	2	1	1	1	2	2	2	2
9	2	1	1	1	1	1	3	3	3	3	3	3	4	3	***	3	3	3	3	3	-	-	2	2	2
10	2	2	2	2	2	2	2	3	3	3	3	2	2	2	3	3	***	***	2	2	2	2	2	2	2
11	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	-	-	-	-	2	3
12	2	2	2	2	2	2	3	2	2	2	2	2	2	3	4	3	3	3	4	3	2	2	2	2	2
13	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2
14	2	2	2	2	1	1	0	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	2
15	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	5	5	4	***	4	3	3	3	3	3
16	3	2	2	2	2	2	2	3	3	3	3	3	3	3	2	3	3	3	3	3	3	2	2	2	3
17	2	2	2	2	2	2	2	3	3	3	4	5	6	4	3	3	3	3	3	3	2	***	3	2	3
18	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
19	2	2	2	2	1	1	1	2	3	3	3	2	-	-	3	3	3	3	3	3	3	3	3	3	2
20	3	2	2	2	2	2	2	2	3	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3
21	3	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2
22	3	3	2	2	3	2	3	3	3	3	3	3	3	1	3	2	3	3	3	3	3	3	3	2	3
23	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	***	3	3	3	3	3	3
24	3	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1
25	1	2	1	1	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2
26	3	3	2	2	2	2	2	3	3	2	2	3	2	2	3	2	3	3	3	3	3	3	3	3	3
27	3	3	3	3	3	3	3	4	4	4	4	3	3	3	2	2	3	3	3	3	3	3	3	2	3
28	3	4	3	3	3	4	4	3	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
29	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	3	3	3	2	2	2	2	2	1	3
30	1	1	1	0	0	1	1	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	3	3	2
31	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	3	3	3	3	3	3	-	3
MEAN	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2.6

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	113	581	11	0	0	0	0	705
FEB	40	432	93	0	0	0	0	565
MAR	77	366	273	9	0	0	0	725
APR	117	345	236	15	0	0	0	713
MAY	111	316	246	58	5	0	0	736
JUN	113	255	286	54	5	0	0	713
JUL	61	223	283	76	1	0	0	644
AUG	75	341	269	41	0	0	0	726
SEP	69	390	232	23	0	0	0	714
OCT	87	508	129	6	0	0	0	730
NOV	80	550	38	0	0	0	0	668
DEC	59	591	66	0	0	0	0	716
YEAR	1002	4898	2162	282	11	0	0	8355

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.1	0	0.8	1.6	2.3	3.0	4.7	5.6	6.9	7.9	13	3.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	3	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	3
2	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
4	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	1	1	1	1	1	0	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
6	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	1	1	1	1	1	1	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
9	2	1	1	1	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
10	3	3	2	3	2	3	3	3	3	4	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	1	2	2	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	1	1	2
12	1	1	1	1	0	0	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	2
13	3	3	3	3	3	3	2	1	1	1	0	0	0	1	1	1	1	1	1	2	2	2	3	3	2
14	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
15	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2
16	0	1	0	1	1	1	1	1	1	1	1	0	0	1	1	1	2	3	3	3	1	1	0	0	2
17	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1
18	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
20	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
21	2	1	1	1	0	1	2	3	3	3	3	3	3	1	3	3	3	3	3	3	3	3	3	3	2
22	3	3	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
23	2	1	1	0	0	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
24	2	2	2	1	1	1	2	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2
25	3	3	3	3	3	3	3	4	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4
26	3	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
27	3	3	3	2	2	1	1	1	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2
28	3	3	2	2	2	2	2	3	3	3	2	2	3	2	2	2	2	2	2	2	2	2	2	2	3
29	3	2	2	2	2	2	3	3	3	4	3	3	3	3	2	2	3	3	3	3	3	3	3	3	3
30	3	2	1	1	1	1	3	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2
31	1	1	1	1	1	1	2	2	3	2	3	3	2	2	3	2	3	3	3	3	2	2	2	2	2
MEAN	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "..." INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - DEC 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	4	3	3	3	4	6	8	9	6	5	5	5	2	....	....	....	....	....	....	....	....	....	....
2	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
3	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
4	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
5	3	3	3	3	2	1	3	4	4	3	2	1	1	1	....	1	1	4	5	5	4	5	4	4	3
6	4	3	3	3	3	3	3	3	3	3	2	1	1	1	1	1	1	1	1	2	3	3	2	2	2
7	2	2	1	0	1	1	1	1	1	1	1	2	1	1	2	2	2	2	3	3	3	4	4	4	2
8	4	4	3	3	2	2	2	2	2	2	2	3	3	3	2	1	2	2	1	1	1	1	2	1	2
9	1	1	0	0	1	1	3	3	4	3	3	3	3	2	1	1	2	2	3	3	-	-	2	3	2
10	2	2	2	2	2	2	2	3	3	3	3	2	2	2	1	2	....	....	2	2	1	2	2	2	2
11	1	1	1	1	1	2	3	3	3	3	3	2	2	2	2	2	3	3	3	2	-	-	-	2	2
12	2	2	2	1	1	2	3	3	3	3	2	2	2	1	3	3	4	4	3	2	2	2	2	2	2
13	2	1	2	2	1	0	1	1	1	2	2	2	1	2	2	2	2	3	4	3	4	3	3	2	2
14	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	3	2	2	3	3	3	2	2
15	2	2	1	1	1	2	3	3	3	3	3	4	4	3	4	5	4	4	....	4	3	3	3	3	2
16	3	2	2	3	3	3	3	3	3	3	2	2	2	2	2	3	3	3	3	3	....	3	2	2	3
17	1	1	1	1	1	1	2	3	3	3	2	2	2	2	2	3	3	4	3	3	3	2	2	2	3
18	3	2	2	2	2	2	2	3	3	3	2	3	5	5	5	3	3	3	3	3	....	3	2	2	3
19	2	2	2	1	1	1	2	2	3	3	2	2	2	3	2	3	3	3	3	3	3	-	-	-	3
20	2	2	2	2	2	2	2	3	4	3	3	3	3	3	2	3	3	3	3	3	3	3	2	2	3
21	2	2	2	2	1	1	1	2	1	2	2	2	2	2	2	2	3	3	4	3	3	3	3	3	2
22	3	3	2	2	3	3	3	3	4	4	3	4	4	3	4	4	4	3	3	3	4	4	4	4	3
23	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	....	4	3	3	3	3	4
24	3	3	3	3	2	2	2	2	3	1	2	2	2	3	2	2	2	2	2	1	1	1	1	1	2
25	1	1	0	1	1	1	1	1	1	1	1	2	2	2	3	3	4	3	4	5	5	4	3	3	2
26	3	3	2	1	1	1	1	2	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	3	2
27	3	3	3	3	3	4	5	5	4	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	2
28	3	3	3	3	4	3	3	4	4	4	3	3	3	3	3	3	3	3	3	3	3	2	3	2	3
29	4	4	4	4	4	4	3	4	3	4	3	3	4	3	3	4	3	4	4	3	4	4	4	4	3
30	1	1	1	1	0	0	1	2	2	1	2	2	2	3	2	3	3	3	2	3	2	2	1	1	3
31	2	2	1	1	1	1	1	2	2	2	1	2	2	1	1	2	3	3	2	2	2	2	1	-	2
MEAN	2	2	2	2	2	2	2	3	3	3	2	3	3	2	2	3	3	3	3	3	3	3	3	3	2.5

PERCENTAGE OF DATA VALID - 88.6

PERCENTAGE OF DATA INVALID - 9.8

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.1	4	5
FEB	29	2.7	4	6
MAR	31	3.1	5	7
APR	24	2.9	5	8
MAY	29	3.7	8	13
JUN	30	4.0	8	12
JUL	31	3.8	6	9
AUG	31	2.9	6	9
SEP	30	2.9	5	8
OCT	25	2.6	4	6
NOV	30	2.8	9	24
DEC	27	2.5	4	9
YEAR	348	3.0	9	24

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	176	541	21	0	0	0	0	738
FEB	74	476	122	0	0	0	0	672
MAR	165	253	314	8	0	0	0	740
APR	182	166	207	16	0	0	0	571
MAY	106	221	312	55	4	0	0	698
JUN	79	245	301	84	3	0	0	712
JUL	51	301	333	48	0	0	0	733
AUG	190	290	241	11	0	0	0	732
SEP	91	414	201	9	0	0	0	715
OCT	111	413	101	0	0	0	0	625
NOV	99	457	138	9	1	6	1	711
DEC	126	421	110	2	0	0	0	659
YEAR	1450	4198	2401	242	8	6	1	8306

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.6	0	0.5	1.6	2.4	3.1	4.6	5.5	6.7	7.6	24	3.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	2	3	2	3	2	2	3	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3
2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
3	2	1	1	1	1	1	2	3	3	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
4	3	3	3	3	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
5	2	2	2	2	2	2	2	3	3	3	2	1	1	2	1	2	2	2	2	2	2	2	2	2	2
6	4	3	3	3	3	3	3	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	1	1	2	2	2	3	2	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
8	1	1	1	1	1	1	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2
9	1	1	1	1	1	1	2	2	3	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2
10	3	3	3	3	3	3	3	3	3	4	2	2	2	1	2	2	3	2	2	2	2	2	2	2	2
11	3	3	2	2	2	2	3	3	3	2	2	2	2	2	2	3	3	2	2	2	1	1	1	1	2
12	1	0	1	1	0	0	3	3	3	1	0	0	0	0	1	1	1	1	2	2	2	2	2	2	2
13	2	3	3	3	3	3	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	3	3	2	2	1	2	2	2	2	3	2	2	1	1	2	3	3	3	3	3	3	3	3	3	3
16	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
17	2	2	1	1	2	2	2	2	2	3	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3
18	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	2	2	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2
20	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2
21	2	2	2	1	1	1	2	3	3	3	2	1	1	1	1	3	2	3	3	3	4	4	4	4	3
22	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2	2	2	3	3	3	3	2	2	2	3
23	2	2	1	0	0	0	1	2	2	1	1	0	0	1	1	1	1	2	2	2	2	1	1	1	1
24	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	2	2	2	2	2	4	4	3	3	2
25	3	3	3	3	3	3	3	3	4	3	4	5	5	4	3	3	3	3	3	3	3	3	3	3	3
26	2	2	2	1	1	1	1	1	1	1	0	0	0	0	0	1	1	2	2	2	3	3	3	3	3
27	3	3	2	2	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	3	3	3	3	2
28	3	3	2	2	2	2	2	3	2	2	1	1	1	1	0	1	2	2	2	2	2	2	2	2	2
29	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
30	2	1	0	0	0	0	1	2	2	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1
31	1	1	0	0	0	0	1	1	1	1	0	0	0	0	0	0	1	2	2	1	1	1	1	1	0
MEAN	2	2	2	2	1	2	2	2	2	2	1	1	1	1	1	2	2	2	3	3	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 96.1

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - APR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	2	2	2	4	4	-	1	1	1	2	1	2	4	4	6	6	4	4	3	3	3
2	3	3	3	3	3	3	4	4	3	2	2	1	1	1	1	2	2	3	2	2	2	2	2	3	2
3	2	3	3	2	2	2	2	4	2	2	0	1	-	1	1	1	2	2	2	2	1	1	1	0	1
4	1	1	1	0	0	1	1	2	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	0	1
5	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	4	1
6	4	5	4	2	2	2	2	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
7	1	1	1	1	1	1	2	2	2	2	2	2	2	2	3	3	5	4	5	5	5	5	4	4	3
8	3	1	2	2	2	2	4	4	3	2	1	1	2	2	2	3	2	1	1	1	3	3	2	-	2
9	2	1	1	1	1	1	3	3	4	3	2	1	1	1	1	1	2	4	3	3	4	4	3	3	2
10	2	2	1	1	2	2	2	2	2	2	2	2	1	1	2	2	2	2	2	2	3	2	2	2	2
11	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	2	1	3	4	4	4	2	3	2
12	3	3	3	2	2	2	2	2	1	1	2	3	3	3	2	3	3	2	1	1	1	0	1	1	2
13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	0	0
14	2	1	0	1	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	2	3	2	2	1
15	2	1	1	1	1	1	2	2	2	2	1	2	2	2	2	1	2	2	2	2	2	2	1	0	2
16	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	3	0
17	3	3	3	2	2	2	2	3	3	2	2	2	2	2	2	2	2	1	2	3	4	4	3	3	3
18	4	3	3	3	2	2	2	3	2	1	1	1	1	2	4	4	4	3	2	3	3	3	4	4	3
19	3	3	3	3	3	3	4	4	3	3	3	2	2	2	2	3	4	4	5	6	6	6	5	6	4
20	6	5	3	1	2	2	2	2	1	1	1	0	0	0	0	1	1	1	1	2	2	2	2	3	2
21	3	3	2	2	1	1	1	1	1	1	0	0	0	0	0	0	1	1	1	1	3	-	-	2	1
22	3	3	2	2	2	2	2	1	1	1	1	1	1	1	0	0	1	1	2	3	2	1	-	2	2
23	1	0	0	1	1	1	1	1	1	0	0	0	0	1	1	1	2	1	0	1	1	1	1	1	1
24	2	2	1	1	1	1	1	1	1	0	1	1	1	0	1	0	1	1	1	2	2	2	2	2	1
25	2	2	2	1	1	1	1	1	2	2	1	0	0	1	1	2	2	2	3	3	2	2	3	3	2
26	3	2	3	2	2	2	2	1	1	2	2	1	2	1	2	2	4	5	6	6	5	5	5	4	3
27	4	3	2	2	2	2	2	2	2	1	1	1	1	2	1	1	1	2	2	2	1	1	1	1	2
28	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	0	1
29	0	0	0	0	0	1	3	3	2	1	1	1	1	1	2	1	1	1	1	2	3	3	3	3	2
30	3	3	2	2	2	2	3	3	3	3	3	4	4	3	3	4	5	5	5	5	5	4	4	4	3
MEAN	2	2	2	1	1	1	2	2	2	1	1	1	1	1	1	1	2	2	2	2	3	3	2	2	1.8

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH - MAY 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2	2	3	3	3	2	****	1	2	5	4	-	7	****	5	6	5	5	2	3	3
2	3	2	1	1	1	2	2	3	2	2	2	7	6	4	4	4	3	2	5	5	5	5	4	4	3
3	4	3	3	2	2	2	3	2	1	2	1	1	0	0	0	0	0	1	1	2	2	3	3	3	2
4	4	3	3	2	2	2	1	2	1	0	0	0	1	2	1	1	1	1	1	2	3	2	2	1	2
5	1	0	0	1	1	1	2	2	2	2	2	2	****	****	0	1	0	1	1	1	1	1	1	1	1
6	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1	1	1	1	2	2	1	2	1	1
7	1	1	1	1	1	2	2	2	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
8	1	1	0	1	1	1	1	1	0	0	0	0	1	****	1	2	1	1	1	1	1	1	1	1	1
9	0	0	0	0	0	0	1	1	1	0	0	0	1	0	1	1	0	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	2	2	1
11	2	1	2	0	0	1	1	1	0	1	1	1	1	0	0	0	0	0	0	1	1	2	2	2	1
12	1	1	1	1	1	1	2	3	2	1	0	0	****	0	1	1	1	1	2	3	4	3	2	2	1
13	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	3	4	4	3	4	3	3	3	2	2
14	2	0	0	0	0	1	2	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
15	1	1	0	0	0	1	1	1	0	****	****	0	0	1	0	1	1	1	1	1	2	2	2	1	1
16	1	1	1	1	1	1	1	2	2	0	4	3	3	2	2	2	2	3	2	2	3	3	3	3	2
17	2	2	2	2	2	1	2	2	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
18	1	2	3	2	2	1	1	0	1	1	2	2	2	1	-	1	0	0	0	0	1	1	1	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	3	3	2	2	1
20	1	1	1	1	0	1	1	1	1	0	0	0	****	****	1	1	1	1	2	3	3	3	2	2	1
21	2	2	2	1	1	1	2	3	3	3	2	2	2	3	3	4	3	2	2	2	4	3	3	2	2
22	3	1	1	1	1	2	2	3	2	1	2	4	3	2	****	2	2	2	1	3	3	4	3	3	2
23	3	2	2	2	2	1	2	4	6	6	6	5	4	3	2	2	2	3	3	3	4	4	4	4	3
24	4	3	2	2	2	2	2	2	2	1	1	2	2	0	0	0	0	0	1	1	1	1	2	2	1
25	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	1
26	1	0	0	0	0	1	2	1	1	1	1	1	0	0	****	****	0	0	0	0	1	1	1	0	0
27	0	****	0	0	0	1	2	2	1	1	1	1	0	0	0	0	1	1	1	2	2	2	2	1	1
28	1	0	0	1	0	0	1	2	2	1	1	1	0	1	1	1	2	2	2	2	3	2	2	1	1
29	2	2	2	2	1	2	2	2	1	1	****	1	1	0	0	1	1	1	1	1	1	2	1	1	1
30	0	0	1	1	1	2	2	2	2	2	2	1	1	14	3	2	2	3	2	2	3	2	1	1	2
31	1	1	0	0	1	1	1	1	1	1	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0
MEAN	2	1	1	1	1	1	2	2	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	1.4

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 3-002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	3	3	3	3	3	3	3	2	2	****	2	3	3	3	4	3	3	3	3	3	3
2	3	3	2	2	2	2	3	3	3	3	3	4	4	5	4	4	4	3	2	2	2	1	1	1	3
3	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	2	3	4	2
4	3	2	2	2	2	2	3	4	4	4	4	3	4	4	3	2	3	4	4	4	4	4	4	4	3
5	4	4	4	3	4	3	4	4	4	4	3	2	1	2	2	2	3	4	4	5	4	4	5	5	4
6	7	5	5	5	4	4	4	5	5	4	4	4	3	3	3	3	3	3	3	3	3	4	4	4	3
7	3	3	3	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	4	3	4	4	4	3	3
8	3	3	4	4	4	3	3	3	3	4	4	3	3	3	****	2	2	2	2	1	1	1	1	1	3
9	1	1	1	1	1	1	2	3	3	3	3	2	2	2	3	2	3	3	3	3	3	3	3	3	2
10	3	3	2	2	2	2	2	2	3	2	2	1	1	1	1	2	2	2	2	1	1	1	1	2	2
11	1	2	1	1	1	2	3	3	5	3	2	2	2	****	1	2	2	3	3	3	3	3	3	3	2
12	3	2	2	2	2	2	3	3	3	3	2	2	3	3	3	3	4	4	3	3	3	3	2	2	3
13	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	3	4	4	4	3	2	2
14	2	2	2	2	1	1	1	1	1	1	1	1	0	0	0	1	1	2	2	2	2	3	3	3	1
15	3	3	2	1	2	2	3	3	3	3	2	3	4	4	****	4	5	4	4	4	4	3	3	3	3
16	3	3	3	3	3	3	2	3	2	2	2	1	1	1	2	2	2	2	2	2	2	1	1	1	2
17	1	1	1	1	1	1	1	2	3	3	4	5	7	4	3	2	3	3	3	2	3	3	2	2	3
18	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	2	3	3	2	2	2	2	2	2
19	2	2	2	1	0	1	1	1	1	2	1	1	1	1	1	1	2	2	3	3	3	3	2	2	2
20	3	3	2	2	2	1	2	3	3	3	3	2	1	1	1	1	1	2	3	3	3	2	2	2	2
21	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	3	3	3	3	3	3	2
22	3	3	3	3	3	3	3	3	3	3	3	3	3	3	****	2	2	2	2	2	2	3	3	2	3
23	3	3	3	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3	3
24	3	3	3	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
25	1	1	1	1	1	1	2	2	2	2	2	2	2	3	3	3	2	3	3	3	4	4	3	3	2
26	3	3	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	3	2
27	3	3	2	2	2	2	2	2	3	4	3	2	3	3	2	2	3	3	3	3	3	3	3	3	3
28	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3
29	3	3	3	3	3	3	3	3	3	3	3	3	3	3	****	3	3	3	3	2	2	2	2	1	3
30	1	1	1	1	1	0	1	2	2	2	2	1	1	2	2	2	2	3	3	3	3	3	3	3	2
31	3	3	2	2	2	2	2	2	3	2	2	2	2	1	1	2	3	3	3	3	2	2	2	2	2
MEAN	3	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	2.4

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	1.9	3	5
FEB	27	2.0	4	6
MAR	31	1.7	3	5
APR	30	1.8	4	6
MAY	31	1.4	3	14
JUN	30	2.4	5	8
JUL	30	2.4	4	10
AUG	31	1.9	4	8
SEP	30	1.9	4	8
OCT	31	1.9	4	6
NOV	30	2.2	3	7
DEC	31	2.4	4	7
YEAR	362	2.0	5	14

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	234	466	15	0	0	0	0	715
FEB	248	346	56	0	0	0	0	650
MAR	355	319	61	0	0	0	0	735
APR	329	307	72	0	0	0	0	708
MAY	441	244	38	2	0	1	0	726
JUN	266	279	137	23	0	0	0	705
JUL	230	330	136	14	0	0	0	710
AUG	307	337	70	5	0	0	0	719
SEP	280	362	63	2	0	0	0	707
OCT	258	436	36	0	0	0	0	730
NOV	194	467	51	1	0	0	0	713
DEC	145	504	87	2	0	0	0	738
YEAR	3287	4397	822	49	0	1	0	8556

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.4	0	0.0	0.7	1.4	2.1	3.0	3.8	4.8	5.5	14	2.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	2	2	2	2	2	2	1	1	2	3	3	3	3	3	3	3	2	2	2	2	2	2
2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2	3	3	2	2	2	2	2	2
3	2	1	1	1	2	2	2	3	3	3	2	1	1	2	1	1	2	2	3	3	3	3	3	3	2
4	3	3	2	2	2	2	2	2	3	3	3	4	3	2	2	3	3	4	3	3	3	3	3	3	3
5	3	3	3	3	3	2	2	2	2	2	2	3	4	3	2	3	3	4	3	3	3	3	3	3	3
6	3	3	3	3	3	3	3	3	3	3	3	3	2	2	1	2	3	3	4	4	4	4	3	3	3
7	3	3	3	2	2	2	3	3	3	2	2	2	2	3	3	3	3	3	4	4	4	3	3	3	3
8	1	1	1	1	1	2	2	3	3	3	3	2	2	2	3	2	2	2	2	2	2	2	1	1	2
9	1	1	1	1	2	2	2	2	3	3	2	2	2	2	1	1	2	2	3	3	2	2	2	2	2
10	3	3	3	3	3	3	3	3	4	4	4	3	2	1	3	3	2	2	2	2	2	2	3	3	2
11	3	3	3	2	2	2	2	3	3	2	2	3	3	3	3	3	3	3	2	1	1	2	1	1	2
12	0	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	2	3	3	3	3	3	3	2
13	3	3	3	3	3	3	3	2	2	2	2	2	2	2	3	2	2	3	2	2	2	2	2	2	2
14	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	1	2	2	2	2	2	3	3	2	3	4	3	4	3	2	2	2	2	2	2
16	2	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2
17	1	2	1	1	1	2	2	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2
18	1	1	1	1	1	1	2	1	2	1	2	1	1	2	2	2	2	2	2	2	2	2	1	1	2
19	1	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1
21	2	2	1	0	0	1	1	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2
22	2	2	2	2	2	2	2	1	2	2	2	2	1	2	1	1	2	2	2	2	2	2	2	2	2
23	1	1	0	0	0	0	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
24	0	1	1	0	0	1	2	2	2	2	1	1	2	1	1	2	2	2	2	2	3	3	3	0	1
25	2	2	2	2	2	2	2	2	3	2	3	3	3	2	3	2	2	2	2	2	2	2	2	2	2
26	2	2	2	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
27	2	2	1	1	1	0	0	1	1	1	1	1	2	2	2	3	2	2	2	2	2	2	2	2	2
28	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2
29	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2
30	2	1	1	0	0	1	1	2	2	2	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2
31	1	1	1	1	0	0	1	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1
MEAN	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - JUN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	1	1	0	1	1	1	2	4	6	7	7	6	6	6	5	4	4	3
2	3	3	3	3	4	6	8	8	8	7	***	9	8	6	6	9	3	2	1	2	4	2	4	4	5
3	2	1	1	3	1	2	3	3	3	3	2	1	1	1	1	1	1	1	1	2	2	2	2	1	2
4	1	2	2	1	1	2	3	2	2	1	1	1	1	***	1	1	2	1	1	1	3	3	3	3	2
5	3	1	2	2	1	3	4	5	8	5	4	3	7	8	10	10	11	12	13	12	11	11	10	8	7
6	7	7	6	5	6	8	10	10	11	11	9	9	10	9	10	10	10	10	8	6	5	3	2	1	8
7	2	1	1	1	1	1	2	2	3	7	8	8	8	8	8	8	8	9	9	7	0	0	0	0	4
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	1	***	0	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***
12												- DATA INVALID -													
13												- DATA INVALID -													
14												- DATA INVALID -													
15												- DATA INVALID -													
16												- DATA INVALID -													
17												- DATA INVALID -													
18												- DATA INVALID -													
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
21												- DATA INVALID -													
22												- DATA INVALID -													
23												- DATA INVALID -													
24												- DATA INVALID -													
25												- DATA INVALID -													
26	9	8	9	9	8	9	10	12	11	11	11	10	11	9	5	4	2	2	10	10	10	10	10	8	9
27	8	9	4	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	2	3
28	2	3	3	3	3	3	4	4	3	3	4	4	4	4	4	4	4	4	5	5	5	5	5	4	4
29	4	4	4	3	4	4	4	4	4	4	4	4	5	5	7	7	8	4	4	6	6	6	5	2	5
30	1	1	0	0	1	1	2	2	***	***	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1
MEAN	2	2	2	2	2	2	3	3	3	3	3	3	4	4	4	4	4	4	4	4	4	3	3	2	3.0

PERCENTAGE OF DATA VALID - 55.3

PERCENTAGE OF DATA INVALID - 44.7

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK													MONTH - JUL 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	2	2	2	2	3	4	4	6	7	7	7	8	9	9	8	8	9	9	10	9	8	6
2	7	7	6	6	7	6	4	2	2	2	1	1	1	1	1	1	2	1	1	3	3	3	3	3	3
3	3	3	4	3	2	3	3	4	4	4	5	5	6	10	13	13	13	13	8	3	4	5	5	5	6
4	5	5	2	3	6	6	6	6	4	2	2	1	***	1	3	14	17	16	14	13	11	10	9	9	7
5	9	8	8	8	8	8	8	7	7	8	10	11	11	8	1	1	1	1	1	1	1	0	0	0	5
6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	4	4	4	3	1
7	3	2	1	1	2	2	3	4	6	6	***	7	8	10	8	8	8	7	7	8	10	9	8	6	6
8	7	6	6	5	5	7	6	9	9	7	3	2	2	2	1	1	1	1	1	2	3	3	3	2	4
9	1	1	2	2	3	3	3	3	5	5	5	6	5	6	5	8	9	7	7	7	9	7	6	5	5
10	4	3	3	4	4	3	2	2	1	1	0	1	2	2	2	2	2	2	2	1	2	1	1	1	2
11	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1
15	1	1	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	0	1	1
16	1	0	0	1	1	1	1	1	1	1	1	0	0	***	3	3	2	6	7	10	10	9	7	3	3
17	6	7	7	6	4	3	4	3	2	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	3
18	1	1	1	1	1	2	3	4	6	8	9	9	9	7	***	***	***	***	***	***	***	***	***	***	***
19												- DATA INVALID -													
20												- DATA INVALID -													
21												- DATA INVALID -													
22												- DATA INVALID -													
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24												- DATA INVALID -													
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27												- DATA INVALID -													
28												- DATA INVALID -													
29												- DATA INVALID -													
30												- DATA INVALID -													
31												- DATA INVALID -													
MEAN	3	3	2	2	3	3	3	3	3	3	3	3	3	3	3	4	4	4	4	4	4	4	4	3	3.1

PERCENTAGE OF DATA VALID - 56.3

PERCENTAGE OF DATA INVALID - 40.6

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT										UNITS - 0.01 PARTS/MILLION															
		STATION - C NO 34007 BATHURST/WILSON, NORTH YORK										MONTH - AUG 80															
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																											
2																											
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27																											
28																											
29																											
30																											
31																											
MEAN																											

PERCENTAGE OF DATA VALID - 59.1

PERCENTAGE OF DATA INVALID - 40.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

		POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT										UNITS - 0.01 PARTS/MILLION															
		STATION - C NO 34007 BATHURST/WILSON, NORTH YORK										MONTH - SEP 80															
HOUR	DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1																											
2																											
3																											
4																											
5																											
6																											
7																											
8																											
9																											
10																											
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25																											
26																											
27																											
28																											
29																											
30																											
MEAN																											

PERCENTAGE OF DATA VALID - 8.5

PERCENTAGE OF DATA INVALID - 91.4

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.9	3	4
FEB	29	1.8	3	5
MAR	31	2.1	5	8
APR	30	4.0	9	14
MAY	31	3.7	9	14
JUN	16	3.0	9	13
JUL	17	3.1	7	17
AUG	19	3.6	8	13
SEP	2	4.9	7	8
OCT	31	3.0	7	10
NOV	29	2.6	5	7
DEC	8	3.4	5	6
YEAR	274	2.9	9	17

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - DEC 80

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	3	3	2	2	3	2	3	3	3	****	-	-	-	-	-	-	-	-	-	-	-	-	*****
2												-	-	-	-	-	-	-	-	-	-	-	-	-	-
3												-	-	-	-	-	-	-	-	-	-	-	-	-	-
4												-	-	-	-	-	-	-	-	-	-	-	-	-	-
5												-	-	-	-	-	-	-	-	-	-	-	-	-	-
6												-	-	-	-	-	-	-	-	-	-	-	-	-	-
7												-	-	-	-	-	-	-	-	-	-	-	-	-	-
8												-	-	-	-	-	-	-	-	-	-	-	-	-	-
9												-	-	-	-	-	-	-	-	-	-	-	-	-	-
10												-	-	-	-	-	-	-	-	-	-	-	-	-	-
11												-	-	-	-	-	-	-	-	-	-	-	-	-	-
12												-	-	-	-	-	-	-	-	-	-	-	-	-	-
13												-	-	-	-	-	-	-	-	-	-	-	-	-	-
14												-	-	-	-	-	-	-	-	-	-	-	-	-	-
15												-	-	-	-	-	-	-	-	-	-	-	-	-	-
16												-	-	-	-	-	-	-	-	-	-	-	-	-	-
17												-	-	-	-	-	-	-	-	-	-	-	-	-	-
18												-	-	-	-	-	-	-	-	-	-	-	-	-	-
19												-	-	-	-	-	-	-	-	-	-	-	-	-	-
20												-	-	-	-	-	-	-	-	-	-	-	-	-	-
21												-	-	-	-	-	-	-	-	-	-	-	-	-	-
22												-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	5	5	4	5	5	5	5	****	4	4	4	4	4	*****
24	4	4	4	4	4	3	4	4	3	2	2	2	2	2	2	2	2	2	1	1	2	1	2	2	3
25	1	2	2	2	3	4	4	3	2	3	3	4	4	3	4	4	4	4	5	5	4	4	4	4	3
26	4	4	4	3	2	3	3	3	3	3	4	4	4	4	4	4	4	4	5	4	5	4	4	4	4
27	4	4	4	4	4	5	5	6	5	4	4	4	4	5	4	4	4	4	4	4	4	5	5	5	4
28	4	4	5	5	5	5	5	5	6	5	5	5	4	4	5	4	5	5	5	5	5	5	5	5	5
29	5	5	5	5	5	4	4	4	4	5	****	****	4	3	3	3	3	3	2	2	2	2	2	1	3
30	1	0	0	0	0	0	1	1	2	1	1	1	1	1	1	2	3	3	3	3	3	3	3	3	2
31	3	2	3	3	2	3	3	3	3	4	3	4	4	3	3	4	4	4	4	3	3	3	3	-	3
MEAN	3	3	3	3	3	3	4	3	3	3	3	3	4	3	3	4	4	4	4	3	4	3	4	4	3.4

PERCENTAGE OF DATA VALID - 28.4

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 71.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	231	483	15	0	0	0	0	729
FEB	274	375	22	0	0	0	0	671
MAR	265	347	114	8	0	0	0	734
APR	121	220	251	102	9	1	0	704
MAY	221	190	182	116	19	2	0	730
JUN	182	80	61	62	13	0	0	398
JUL	196	85	55	71	8	4	0	419
AUG	119	95	180	35	11	0	0	440
SEP	6	17	15	23	0	0	0	61
OCT	135	379	174	36	0	0	0	724
NOV	124	419	129	4	0	0	0	676
DEC	19	77	115	0	0	0	0	211
YEAR	1893	2767	1313	457	60	7	0	6497

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID

MIN

10

30

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH
MEAN

74.0

0

0.1

1.0

1.9

2.9

5.6

7.0

9.0

10.1

17

2.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	2	1	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
2	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	1
3	1	1	0	0	0	1	1	2	2	1	1	0	1	0	0	1	1	2	2	2	2	2	2	2	1
4	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2
5	2	2	2	1	***	2	2	2	2	2	2	2	2	1	1	1	2	3	3	2	2	2	2	2	2
6	2	2	2	2	2	2	2	2	2	2	2	3	3	2	1	1	2	2	3	2	2	1	2	2	2
7	2	2	1	1	1	2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
8	1	1	0	0	0	0	1	1	1	1	1	0	***	***	1	1	1	1	1	1	1	1	1	1	1
9	0	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	1	1	1	0	0
13	1	1	2	2	2	3	2	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	2	2	2
14	2	2	2	2	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
15	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	3	2	2	2	2
16	2	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2
17	2	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	3	3	3	2	2	1	1	2
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1
19	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1
20	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1
21	1	1	1	0	0	1	2	2	2	2	1	1	1	1	1	2	2	2	2	3	3	3	2	2	2
22	2	2	1	1	1	1	1	2	2	2	2	2	1	***	***	2	2	2	1	1	1	1	1	1	1
23	1	1	1	1	1	1	1	2	2	1	1	0	0	1	1	1	1	2	2	2	2	1	1	1	1
24	1	1	1	1	1	1	2	3	3	2	1	1	1	1	1	1	2	3	3	3	3	3	2	3	2
25	3	3	3	2	2	2	3	3	2	3	3	2	3	2	***	2	2	2	2	3	3	3	3	2	3
26	2	2	1	1	0	0	1	1	1	1	0	0	0	0	1	1	1	2	2	2	2	2	2	1	1
27	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	2	2	2	1	1
28	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	3	3	2	2	2	2	2	2	2
29	1	1	2	1	1	2	2	2	2	2	2	1	1	***	***	1	2	2	3	3	1	1	2	2	2
30	3	3	2	1	0	0	1	2	2	1	1	1	1	1	1	1	***	***	2	2	-	2	1	1	1
31	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
MEAN	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1.4

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	3	3	3	3	3	3	2	2	2
2	2	2	1	2	2	2	2	2	2	3	3	3	3	3	3	3	2	2	1	1	0	0	0	0	2
3	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3	2	1
4	2	1	1	1	1	1	3	3	3	4	4	4	5	6	5	4	4	3	3	4	4	-	3	3	3
5	3	3	3	3	3	3	3	4	4	4	5	3	3	3	3	4	4	4	4	4	5	5	6	5	4
6	5	4	4	3	3	3	3	3	4	4	4	4	3	3	3	3	3	3	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	3	2	3
8	2	2	2	3	3	3	3	3	3	3	3	2	1	2	2	2	2	1	1	1	1	1	1	1	2
9	1	0	0	0	1	1	2	3	3	3	2	2	1	3	3	3	3	3	3	3	-	-	2	2	2
10	2	2	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1
11	2	2	2	1	2	2	3	3	3	3	2	1	1	1	1	1	2	2	2	1	-	-	-	1	2
12	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2	2	2	2
13	1	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	2	3	2	2	2	2	2	0	1
14	1	1	1	0	0	0	0	0	1	0	0	1	0	0	0	1	2	3	3	3	3	2	1	0	1
15	0	0	0	0	0	1	1	2	3	3	3	3	4	4	3	4	5	5	5	4	4	4	3	3	3
16	3	3	2	3	3	3	2	2	2	2	2	2	2	3	2	2	2	3	2	2	2	1	1	1	2
17	1	1	1	1	1	1	2	2	2	2	2	3	3	4	4	3	3	3	2	2	3	2	2	2	2
18	1	1	1	1	1	1	2	2	2	2	2	2	1	2	2	2	2	2	1	1	1	-	-	2	2
19	1	1	1	1	0	1	1	2	2	2	1	1	-	-	1	2	3	3	3	3	3	3	2	2	2
20	2	1	1	1	1	1	1	1	3	3	3	3	1	1	1	2	2	2	3	3	3	2	1	1	2
21	1	1	1	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	2	1	2	2	2	2	1
22	1	2	2	2	2	2	2	2	3	3	3	2	2	3	4	3	3	3	3	2	3	3	3	3	3
23	3	3	3	3	3	3	3	3	3	3	2	2	2	3	3	2	3	3	3	2	2	3	2	2	3
24	2	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	1
25	0	0	0	0	1	1	1	1	1	1	0	1	0	1	0	1	2	2	2	2	2	2	2	2	1
26	2	1	1	0	0	0	1	1	0	0	1	1	1	1	1	1	2	2	3	3	2	2	3	2	1
27	3	2	2	2	2	2	2	2	3	3	3	4	4	4	3	3	3	3	3	4	4	4	4	4	3
28	4	3	3	3	3	2	2	3	3	3	3	2	2	2	2	3	3	3	3	4	3	3	3	3	3
29	3	3	3	3	3	3	3	3	3	4	3	4	4	3	3	3	3	3	2	2	2	2	2	1	3
30	1	0	0	0	0	0	1	1	2	1	1	2	2	3	3	2	3	3	3	3	3	3	3	3	2
31	3	3	2	2	2	2	3	3	3	3	3	2	2	2	3	3	3	3	3	3	3	3	2	-	3
MEAN	2	2	1	1	1	2	2	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.4	3	3
FEB	29	1.8	4	5
MAR	31	2.0	4	7
APR	30	2.0	5	8
MAY	31	1.9	4	10
JUN	30	1.9	4	7
JUL	28	1.3	3	8
AUG	28	1.9	4	8
SEP	30	1.7	4	8
OCT	29	1.4	3	5
NOV	30	1.6	3	5
DEC	31	2.0	4	6
YEAR	358	1.8	5	10

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE, ETOBICOKE

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	20	675	38	0	0	0	0	733
FEB	16	399	241	0	0	0	0	656
MAR	26	304	373	9	0	0	0	712
APR	17	170	485	29	0	0	0	701
MAY	7	156	452	88	2	0	0	705
JUN	17	252	357	54	1	0	0	681
JUL	20	308	378	23	0	0	0	729
AUG	70	346	218	6	0	0	0	640
SEP	67	346	232	20	1	0	0	666
OCT	23	601	110	0	0	0	0	734
NOV	6	381	318	1	0	0	0	706
DEC	15	307	380	17	0	0	0	719
YEAR	304	4245	3582	247	4	0	0	8382

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.4	0	1.4	2.3	2.9	3.6	4.9	5.6	6.5	7.0	12	3.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
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22																									
23																									
24																									
25																									
26	3	3	2	2	2	3	4	4	4	3	3	2	2	3	3	3	3	3	3	4	5	6	5	4	*****
27	2	4	2	2	3	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	2	3
28	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	2	1
29	3	2	2	1	1	1	1	1	1	1	1	0	1	1	1	1	0	1	2	2	3	5	3	2	2
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
MEAN	2	2	2	1	2	2	2	2	2	2	1	1	2	1	2	2	2	2	2	2	3	3	3	3	1.9

PERCENTAGE OF DATA VALID - 18.2

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 81.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN	5	1.9	3	6
JUL	31	1.9	3	6
AUG	30	1.6	3	5
SEP	30	1.9	4	8
OCT	31	2.0	3	5
NOV	30	2.1	4	6
DEC	28	1.9	3	5
YEAR	185	1.9	4	8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN		DATA UNAVAILABLE						
FEB		DATA UNAVAILABLE						
MAR		DATA UNAVAILABLE						
APR		DATA UNAVAILABLE						
MAY		DATA UNAVAILABLE						
JUN	67	52	12	0	0	0	0	131
JUL	296	395	52	0	0	0	0	743
AUG	387	285	38	0	0	0	0	710
SEP	316	317	72	3	0	0	0	708
OCT	209	498	28	0	0	0	0	735
NOV	185	487	40	0	0	0	0	712
DEC	225	451	10	0	0	0	0	686
YEAR	1685	2485	252	3	0	0	0	4425

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.2	0	0.1	0.7	1.3	1.8	2.8	3.2	3.9	4.4	8	1.9

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST. OAKVILLE

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	336	393	9	0	0	0	0	738
FEB	235	403	55	0	0	0	0	693
MAR	68	143	16	0	0	0	0	227
YEAR	639	939	80	0	0	0	0	1658

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
75.9	0	0.2	0.8	1.3	1.9	2.7	3.0	3.8	4.3	6	1.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH - APR 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA UNAVAILABLE -													
2												- DATA UNAVAILABLE -													
3												- DATA UNAVAILABLE -													
4												- DATA UNAVAILABLE -													
5												- DATA UNAVAILABLE -													
6												- DATA UNAVAILABLE -													
7												- DATA UNAVAILABLE -													
8												- DATA UNAVAILABLE -													
9												- DATA UNAVAILABLE -													
10												- DATA UNAVAILABLE -													
11												- DATA UNAVAILABLE -													
12												- DATA UNAVAILABLE -													
13												- DATA UNAVAILABLE -													
14												- DATA UNAVAILABLE -													
15												- DATA UNAVAILABLE -													
16												- DATA UNAVAILABLE -													
17												- DATA UNAVAILABLE -													
18												- DATA UNAVAILABLE -													
19												- DATA UNAVAILABLE -													
20												- DATA UNAVAILABLE -													
21												- DATA UNAVAILABLE -													
22	-	-	-	-	-	-	-	-	-	-	-	- DATA UNAVAILABLE -	-	-	1	1	1	1	2	2	2	2	2	2	2
23	2	2	1	1	1	2	2	2	2	1	1	1	1	1	1	2	3	3	2	2	2	2	3	3	2
24	4	5	4	4	2	3	4	3	2	3	4	5	6	5	4	2	2	2	2	2	3	2	2	2	3
25	3	4	3	2	2	2	3	3	3	3	2	2	3	3	3	3	3	3	4	5	5	5	5	5	3
26	5	4	4	4	3	2	2	3	3	3	2	2	2	3	3	3	2	3	3	5	5	5	5	5	3
27	5	4	3	3	2	2	2	3	3	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1
30	1	1	2	2	2	3	3	4	3	2	2	4	2	2	2	3	3	3	3	3	6	5	7	6	3
MEAN	3	3	2	2	2	2	3	2	2	2	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2.4

PERCENTAGE OF DATA VALID - 27.6

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 71.8

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015

BRONTE RD/WOBURN CRES. OAKVILLE

MONTH - NOV 80

[illegible]

PERCENTAGE OF DATA VALID - 20.8

PERCENTAGE OF DATA INVALID - 79.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. " " INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015

BRONTE RD/WOBURN CRES. OAKVILLE

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	2	1	1	....	1	1	1	2	2	3	2	2	2	2	1	1
2	2	2	1	1	1	1	1	1	2	1	2	2	1	2	2	1	1	1	1	1	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	....	0	0	1	1	1	1	0	0	0	0	1
4	1	1	1	1	1	1	1	2	2	2	3	2	0	0	0	0	2	4	4	3	1	1	2	1	0
5	3	3	3	3	3	3	3	3	3	3	3	0	0	....	0	0	1	2	3	3	-	3	3	2	2
6	4	4	3	3	3	3	3	3	3	3	1	0	0	0	0	1	1	2	2	3	3	3	2	2	2
7	3	3	2	2	2	3	2	2	2	2	2	2	2	2	2	3	3	3	3	3	2	3	2	2	2
8	2	2	2	2	2	1	1	2	2	2	2	2	2	3	2	2	2	1	1	1	1	0	1	0	1
9	1	0	0	0	1	1	2	2	2	3	2	1	1	0	1	1	2	3	2	-	-	-	2	2	1
10	1	1	1	0	1	0	1	2	2	1	1	1	0	1	1	1	....	....	0	0	0	0	0	0	1
11	0	1	1	1	2	2	2	2	2	1	1	0	0	0	1	1	1	2	2	1	-	-	-	2	1
12	1	1	2	2	2	1	2	2	2	2	....	2	2	2	2	2	2	2	2	2	2	2	1	1	2
13	1	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	1	1	1	2
14	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	3	3	1	1	2	1
15	2	1	1	1	1	1	2	3	2	3	2	3	....	....	....	....	2	3	3	2	2	2	2	2	1
16	....	....	....	....	....	....	....	....	....	3	3	2	3	1	1	1	2	3	4	3	3	3	1	1	2
17	1	1	1	0	0	1	1	3	2	1	3	5	5	4	3	4	4	4	4	4	....	3	2	2	2
18	2	3	3	3	3	2	3	3	4	4	3	3	3	3	3	4	4	4	4	3	3	2	2	2	3
19	1	1	1	0	0	1	2	3	4	2	1	2	-	-	3	3	4	4	4	4	3	3	3	2	2
20	2	2	1	1	1	0	1	2	2	2	2	2	2	2	3	3	3	4	4	4	4	3	2	2	2
21	2	1	1	1	1	1	1	1	2	2	2	1	2	1	2	2	3	3	2	2	2	3	3	3	2
22	2	2	2	2	2	2	3	3	4	4	4	4	4	4	4	4	4	4	4	3	3	4	5	4	3
23	4	4	5	5	5	5	4	5	5	5	5	5	5	5	5	5	5	....	4	4	4	4	4	4	5
24	4	4	4	4	4	3	4	3	4	2	1	1	1	1	1	1	1	1	1	0	1	1	1	2	2
25	1	1	1																						

PERCENTAGE OF DATA VALID - 94.5

PERCENTAGE OF DATA INVALID - 3.8

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR	8	2.4	3	7
MAY	31	2.5	5	14
JUN	27	2.0	5	19
JUL	31	2.6	4	7
AUG	31	2.4	4	11
SEP	26	2.7	5	8
OCT	21	1.9	4	7
NOV	5	0.4	1	2
DEC	30	2.2	5	7
YEAR	210	2.3	5	19

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	58	107	33	1	0	0	0	199
MAY	219	348	150	11	2	1	0	731
JUN	309	229	101	16	0	1	0	656
JUL	159	416	160	4	0	0	0	739
AUG	244	337	136	15	2	0	0	734
SEP	121	360	135	9	0	0	0	625
OCT	216	242	38	1	0	0	0	497
NOV	147	3	0	0	0	0	0	150
DEC	255	291	156	1	0	0	0	703
YEAR	1728	2333	909	58	4	2	0	5034

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
76.3	0	0.0	0.8	1.6	2.4	3.8	4.7	5.6	6.4	19	2.3

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.6	3	5
FEB	26	1.6	3	5
MAR	31	1.6	3	6
APR	30	1.8	4	7
MAY	30	2.9	6	9
JUN	30	2.3	6	12
JUL	31	2.2	4	10
AUG	31	1.8	4	8
SEP	30	1.9	4	8
OCT	28	1.4	3	6
NOV	29	1.8	4	7
DEC	31	2.1	4	8
YEAR	358	1.9	6	12

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	370	348	19	0	0	0	0	737
FEB	368	222	41	0	0	0	0	631
MAR	396	252	88	0	0	0	0	736
APR	321	335	54	2	0	0	0	712
MAY	155	320	186	31	0	0	0	692
JUN	287	277	123	20	3	0	0	710
JUL	287	320	116	13	0	0	0	736
AUG	335	298	91	2	0	0	0	726
SEP	311	336	56	3	0	0	0	706
OCT	371	290	20	0	0	0	0	681
NOV	289	354	61	1	0	0	0	705
DEC	257	364	100	2	0	0	0	723
YEAR	3747	3716	955	74	3	0	0	8495

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.7	0	0.0	0.5	1.2	2.0	3.3	4.0	5.1	5.9	12	1.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.4	3	4
FEB	29	2.8	5	6
MAR	31	2.7	4	7
APR	30	1.7	4	6
MAY	27	1.0	3	7
JUN	10	3.0	4	10
JUL	31	3.4	5	8
AUG	31	2.7	4	8
SEP	30	3.0	6	9
OCT	31	2.9	5	7
NOV	30	2.8	4	6
DEC	31	3.4	5	8
YEAR	342	2.7	6	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	97	617	25	0	0	0	0	739
FEB	60	473	152	0	0	0	0	685
MAR	120	437	181	2	0	0	0	740
APR	391	241	82	0	0	0	0	714
MAY	558	89	12	1	0	0	0	660
JUN	46	138	77	4	0	0	0	265
JUL	27	422	264	22	0	0	0	735
AUG	87	488	152	8	0	0	0	735
SEP	69	444	183	18	0	0	0	714
OCT	120	364	247	3	0	0	0	734
NOV	57	482	176	0	0	0	0	715
DEC	41	333	354	11	0	0	0	739
YEAR	1673	4528	1905	69	0	0	0	8175

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID

MIN

10

30

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH
MEAN

93.1

0

0.4

1.4

2.1

2.8

3.8

4.5

5.2

5.9

10

2.7

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	2	2	3	2	2	2	2	2	2	2	2	3	3	4	4	4	5	4	5	3
2	3	3	3	2	1	1	2	3	3	2	1	1	2	2	4	2	2	2	2	2	2	1	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	1	0	0	0
4	0	0	0	0	0	0	1	1	1	1	4	1	1	0	1	1	2	3	2	1	1	1	1	1	1
5	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	3	4	4	5	4	2	1	1	1
6	1	1	1	0	1	0	1	1	3	1	2	1	1	2	2	2	5	3	4	3	4	4	4	3	2
7	4	3	3	3	4	4	4	4	4	4	4	4	5	3	3	3	4	3	3	2	3	2	2	1	3
8	2	2	3	3	3	3	3	4	6	4	4	4	4	5	5	4	3	4	3	2	2	1	1	1	3
9	0	0	0	0	0	0	1	1	1	1	1	0	1	1	0	1	5	2	4	3	1	1	1	1	3
10	3	2	2	2	2	3	2	4	4	4	2	2	3	3	3	3	4	4	1	0	0	0	0	0	2
11	0	0	0	0	1	1	2	4	4	3	1	1	2	3	5	4	4	4	4	3	1	1	1	4	2
12	4	4	3	3	4	4	3	4	3	3	2	3	2	2	3	4	9	6	6	5	4	4	3	5	4
13	3	4	3	4	4	3	3	2	1	0	1	1	1	1	1	2	2	2	3	4	4	4	4	5	3
14	4	3	3	2	2	1	1	2	2	0	0	0	0	0	1	1	1	1	1	0	1	1	2	1	1
15	2	3	3	3	4	4	4	4	4	2	2	1	1	1	1	2	4	5	5	3	3	2	1	1	3
16	2	2	2	1	1	1	2	2	2	1	2	2	1	1	1	2	1	2	1	2	4	1	1	0	1
17	1	0	0	0	0	0	1	3	3	1	1	1	1	2	4	4	5	3	5	4	3	2	2	2	2
18	2	2	3	2	2	2	4	3	3	1	1	1	1	1	2	4	6	6	5	5	6	1	1	1	3
19	4	3	2	0	2	1	3	2	1	2	1	0	1	1	1	2	3	4	3	3	3	3	4	4	2
20	4	3	3	2	3	3	3	3	2	2	2	1	1	1	1	2	2	3	3	4	3	3	3	3	3
21	3	5	3	3	3	2	2	2	2	2	1	1	1	1	1	2	3	3	4	4	5	4	5	4	3
22	4	4	5	4	4	3	3	4	4	3	4	4	4	6	5	5	6	4	4	4	4	4	4	4	4
23	4	4	4	4	5	5	5	5	4	4	6	5	5	5	6	6	6	6	6	6	8	9	7	5	2
24	6	6	5	5	5	4	5	4	2	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	2
25	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	2	3	4	4	3	3	5	4	2	2
26	4	4	3	3	2	2	2	3	2	2	2	2	2	2	6	5	3	3	3	4	4	4	4	4	3
27	4	3	3	0	0	0	1	1	1	1	0	1	1	2	3	5	5	6	5	7	6	5	4	3	3
28	4	4	4	4	3	3	3	3	2	3	3	3	3	4	4	4	5	5	5	5	4	5	4	5	4
29	6	4	8	9	6	5	4	5	8	7	6	3	5	5	5	4	5	6	3	1	0	1	2	1	5
30	0	0	1	0	0	0	0	1	1	0	0	1	0	3	1	2	3	3	3	3	2	2	2	2	1
31	2	1	1	2	1	1	2	3	3	2	1	2	2	2	2	3	4	3	3	4	3	4	4	4	2
MEAN	3	2	2	2	2	2	2	3	3	2	2	2	2	2	3	3	4	4	3	3	3	3	3	3	2.5

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "..." INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.5	3	6
FEB	29	1.9	4	8
MAR	31	2.2	5	10
APR	30	1.6	3	9
MAY	31	1.3	4	9
JUN	30	1.4	3	7
JUL		DATA UNAVAILABLE		
AUG	31	1.2	3	7
SEP	30	1.1	3	7
OCT	31	1.6	3	15
NOV	30	1.9	4	7
DEC	31	2.5	5	9
YEAR	335	1.7	5	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	410	306	23	0	0	0	0	739
FEB	327	265	90	2	0	0	0	684
MAR	321	259	152	9	0	0	0	741
APR	392	248	59	4	0	0	0	703
MAY	485	185	50	4	0	0	0	724
JUN	417	204	45	2	0	0	0	668
JUL	DATA UNAVAILABLE							
AUG	476	212	43	1	0	0	0	732
SEP	497	194	19	2	0	0	0	712
OCT	378	296	54	3	0	1	0	732
NOV	287	359	66	3	0	0	0	715
DEC	245	261	206	9	0	0	0	721
YEAR	4235	2789	807	39	0	1	0	7871

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID

MIN

10

30

FREQUENCY DISTRIBUTION, PERCENT

CONCENTRATIONS

50

70

90

95

98

99

MAX

ARITH
MEAN

97.9	0	0.0	0.2	0.9	1.7	3.1	3.9	4.9	5.6	15	1.7
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ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
2	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	1	2	2	1	2	1	2	2	1	1
3	0	1	1	1	1	1	1	1	1	0	1	0	0	1	0	1	2	2	1	2	1	2	2	1	1
4	2	1	2	2	2	2	2	2	2	2	1	1	1	1	1	2	3	3	3	3	3	3	3	3	2
5	3	3	3	3	....	2	2	2	2	2	2	3	2	1	2	1	2	3	4	4	3	2	2	1	2
6	2	2	3	2	2	3	3	2	2	1	1	1	1	1	1	1	2	2	3	2	2	1	1	1	1
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	2	2	1	1	1	2
8	1	1	1	1	1	1	1	1	1	1	....	1	1	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	0	1	1	1	1	1	0	0	0	1	0	1	1	1	2	2	1	1	1	1	1
10	1	1	1	1	1	1	1	2	1	1	1	0	1	0	1	1	3	2	1	1	2	1	1	1	1
11	1	1	1	1	1	1	1	2	2	3	3	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	1	0	0	0	0	1	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	3	3	3	2	3	3	3	3	1
14	2	1	1	2	2	2	2	3	....	....	1	1	1	1	2	2	2	2	1	2	2	2	2	2	2
15	1	1	1	1	1	1	1	1	1	1	2	1	2	1	2	2	2	3	3	3	2	2	1	1	2
16	1	1	1	1	1	1	1	2	1	1	1	2	2	2	2	1	2	....	2	2	2	3	3	2	2
17	3	3	3	2	2	2	2	1	2	1	2	3	3	2	2	5	4	4	4	3	3	3	3	3	3
18	3	3	3	3	2	2	2	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
19	1	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0
21	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	1	1	1	1	1	2	2	1	2	1
22	2	1	1	1	1	0	1	1	2	5	3	2	2	3	2	3	3	3	3	2	2	2	2	2	2
23	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	1
24	0	0	0	0	0	0	1	0	1	0	1	0	1	1	0	1	2	2	3	2	2	2	1	1	1
25	1	1	1	1	1	1	1	1	2	1	....	1	1	1	1	1	3	3	3	3	4	3	3	1	2
26	1	1	1	0	0	0	0	1	1	0	1	1	0	1	1	1	1	1	1	2	1	1	1	1	1
27	0	0	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	2	2	1	1
28	1	1	1	1	1	1	2	2	2	1	1	....	1	1	1	2	2	2	2	1	3	2	2	1	1
29	1	0	1	1	1	1	1	2	3	1	1	0	0	1	1	1	1	0	2	1	1	1	0	1	1
30	0	0	0	1	1	0	1	2	1	1	1	1	1	1	1	1	2	1	1	1	1	2	2	1	1
31	1	2	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	1	1	2	1	2	1	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1.3

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "...." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "....." INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051

MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - DEC 80

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	****	1	1	1	0	1	1	****	1	1	1	2	****	1	1	1	****	****	2	3	3	3	2	1	1
2	2	2	****	****	0	0	1	1	****	1	1	1	1	1	2	3	3	2	2	2	3	3	1	1	2
3	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	****	1	0	0	1	0	1	0	0
4	0	0	0	1	0	1	1	1	1	1	1	2	****	1	1	2	2	****	1	2	****	****	****	1	1
5	1	1	1	0	0	****	1	1	2	1	1	****	****	1	1	1	1	2	2	2	2	3	2	2	1
6	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1
7	3	2	1	1	2	2	2	2	1	2	3	2	2	3	2	2	2	3	3	2	2	2	3	3	2
8	2	2	2	2	3	4	4	4	4	4	2	3	3	3	2	3	1	1	2	2	2	2	1	1	2
9	1	0	0	0	0	0	1	1	1	1	0	0	1	0	1	1	2	2	2	1	1	****	****	****	1
10	1	1	1	1	1	2	2	1	2	1	1	1	1	1	1	1	****	****	1	****	****	0	0	0	1
11	0	0	0	0	0	0	0	1	1	0	1	1	****	****	1	2	****	1	1	3	-	-	-	2	1
12	1	2	2	2	2	2	2	1	2	****	****	1	2	2	3	3	3	3	2	4	4	4	4	4	3
13	4	3	4	4	3	3	3	2	2	2	1	1	1	1	1	2	1	2	2	1	3	2	2	2	2
14	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	0	1	1	1	1	1
15	1	1	1	1	1	1	1	1	2	2	1	1	1	1	****	****	****	2	2	****	2	4	3	3	2
16	2	3	2	2	2	1	2	2	****	1	1	2	2	2	****	3	3	3	4	3	3	2	1	1	2
17	1	1	1	1	1	1	1	1	2	1	1	1	1	1	****	****	3	4	4	4	****	2	2	3	2
18	****	3	2	1	1	1	1	1	1	1	1	0	1	1	1	2	3	3	3	3	4	-	-	-	2
19	1	1	1	1	1	1	1	1	1	0	0	0	-	-	0	0	1	3	2	2	2	2	2	2	1
20	2	2	2	2	2	2	2	2	2	1	1	1	1	0	0	1	1	****	3	3	3	3	2	2	2
21	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	3	2	2	3	3	3	4	1
22	3	2	1	****	2	2	4	7	8	9	4	3	3	4	5	4	3	4	4	5	5	4	2	3	4
23	4	4	4	1	1	1	2	3	5	4	2	3	2	3	3	4	3	4	****	3	2	3	2	2	3
24	3	2	2	2	3	2	3	2	2	1	2	2	1	1	1	1	1	1	1	0	0	0	0	0	1
25	0	0	0	1	0	0	1	1	1	0	0	0	0	1	0	1	0	0	1	****	1	1	1	1	0
26	1	1	1	3	1	1	1	1	1	0	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1
27	1	1	2	1	2	1	1	2	1	1	1	1	1	1	1	2	3	5	5	5	5	4	4	4	2
28	4	4	4	4	4	3	3	3	3	3	3	3	4	4	4	5	4	4	5	5	4	4	4	4	4
29	5	****	****	4	4	4	4	3	4	4	2	2	2	1	2	2	3	2	3	2	3	3	2	1	3
30	0	0	0	0	0	0	0	0	0	0	1	0	0	****	0	1	1	1	2	2	1	1	1	2	1
31	2	2	1	1	0	1	1	1	1	0	0	****	2	0	1	1	2	1	1	1	2	2	2	-	1
MEAN	2	2	1	1	1	1	2	2	2	1	1	1	1	1	1	2	2	2	2	2	3	2	2	2	1.7

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 6.0

PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051

MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.3	3	5
FEB	29	1.7	4	8
MAR	31	1.5	5	8
APR	30	1.2	3	7
MAY	31	1.1	2	9
JUN	30	0.3	1	4
JUL	17	0.1	0	6
AUG	26	1.1	2	5
SEP	30	0.7	1	5
OCT	31	1.1	3	7
NOV	30	1.0	3	6
DEC	31	1.7	4	9
YEAR	347	1.1	5	9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	494	234	8	0	0	0	0	736
FEB	376	259	40	5	0	0	0	680
MAR	460	212	51	6	0	0	0	729
APR	509	172	24	1	0	0	0	706
MAY	536	139	29	1	0	0	0	705
JUN	681	17	1	0	0	0	0	699
JUL	386	0	4	0	0	0	0	390
AUG	450	142	17	0	0	0	0	609
SEP	641	55	2	0	0	0	0	698
OCT	529	167	19	3	0	0	0	718
NOV	525	164	10	0	0	0	0	699
DEC	369	244	69	3	0	0	0	685
YEAR	5956	1805	274	19	0	0	0	8054

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.7	0	0.0	0.0	0.4	0.9	2.0	2.8	3.7	4.4	9	1.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 58030 132 KING ST. PORT HOPE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	2	2	2	2	1	1	1	2	2	2	1	1	2	2	2	1	1	2	2	1	1	2	2	2	2	2
2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	
3	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	2	2	2	2	1	1	1	
4	1	1	1	1	1	1	1	1	1	2	1	1	0	1	1	1	1	2	2	1	1	2	1	1	1	
5	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	
6	1	1	0	1	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	
7	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	
8	1	1	1	1	1	1	1	1	1	1	1	1	***	1	1	2	2	2	1	1	2	2	1	1	1	
9	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	2	1	1	1	
10	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	
11	1	1	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1	1	1	1	1	1	
12	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	
13	1	1	1	1	1	1	2	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	
14	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	2	2	2	2	2	2	2	
15	2	2	2	2	2	2	2	2	2	1	1	1	1	2	2	1	2	2	3	3	3	3	2	2	2	
16	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	
17	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	2	2	2	
18	2	2	2	2	2	3	2	2	2	3	2	1	2	2	2	1	1	2	2	2	2	2	2	2	2	
19	2	2	2	2	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	
20	1	1	1	1	0	1	1	1	1	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1	
21	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	2	2	2	2	2	2	1	
22	2	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	3	2	3	2	2	2	
23	2	2	2	2	2	1	1	1	1	1	1	1	1	1	0	0	1	1	1	0	0	0	1	1	1	
24	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	2	2	1	1	1	2	1	1	
25	1	1	2	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2	2	2	2	1	2	
26	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	
28	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	1	1	2	3	3	3	3	1	2	2	
29	2	2	2	2	1	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
30	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	
31	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	1	1	1.3	

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 58030 132 KING ST. PORT HOPE												MONTH - FEB 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
2	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	1
3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	1	0	0
4	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0
5	1	0	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
6	2	2	1	1	1	1	1	2	2	1	1	-	-	-	-	1	1	2	3	3	2	2	3	2	1
7												-	-	-	-	-	-	-	-	-	-	-	-	-	*****
8												-	-	-	-	-	-	-	-	-	-	-	-	-	-
9												-	-	-	-	-	-	-	-	-	-	-	-	-	-
10												-	-	-	-	-	-	-	-	-	-	-	-	-	-
11												-	-	-	-	-	-	-	-	-	-	-	-	-	-
12												-	-	-	-	-	-	-	-	-	-	-	-	-	-
13												-	-	-	-	-	-	-	-	-	-	-	-	-	-
14												-	-	-	-	-	-	-	-	-	-	-	-	-	-
15												-	-	-	-	-	-	-	-	-	-	-	-	-	-
16												-	-	-	-	-	-	-	-	-	-	-	-	-	-
17												-	-	-	-	-	-	-	-	-	-	-	-	-	-
18												-	-	-	-	-	-	-	-	-	-	-	-	-	-
19												-	-	-	-	-	-	-	-	-	-	-	-	-	-
20												-	-	-	-	-	-	-	-	-	-	-	-	-	-
21												-	-	-	-	-	-	-	-	-	-	-	-	-	-
22												-	-	-	-	-	-	-	-	-	-	-	-	-	-
23												-	-	-	-	-	-	-	-	-	-	-	-	-	-
24												-	-	-	-	-	-	-	-	-	-	-	-	-	-
25												-	-	-	-	-	-	-	-	-	-	-	-	-	-
26												-	-	-	-	-	-	-	-	-	-	-	-	-	-
27												-	-	-	-	-	-	-	-	-	-	-	-	-	-
28												-	-	-	-	-	-	-	-	-	-	-	-	-	-
29												-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 18.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 81.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 58030 132 KING ST. PORT HOPE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.3	2	3
FEB	5	0.8	1	3
YEAR	36	1.2	2	3

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 58030 132 KING ST. PORT HOPE

MONTH	00 TO 01	02 TO 03	04 TO 06	07 TO 10	11 TO 13	14 TO 20	21 & OVER	TOTAL
JAN	520	223	0	0	0	0	0	743
FEB	119	12	0	0	0	0	0	131
YEAR	639	235	0	0	0	0	0	874

FREQUENCY DISTRIBUTION BY PERCENTILES
PERCENT OF DATA

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

ARITH

VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
60.7	0	0.0	0.3	0.6	0.9	1.7	1.9	2.3	2.6	3	1.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	2	1	0
4	1	1	1	2	2	2	1	2	2	1	1	0	0	2	2	3	2	3	2	2	2	2	2	2	2
5	1	1	1	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1
6	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	1	0	0	0	0	0	1	0	0	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0
9	DATA INVALID																								
10	DATA INVALID																								
11	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1
13	1	2	1	2	2	2	2	2	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	2	2
14	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1
15	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	2	1	1	1	1	2	1	2	3	3	2	2	1	1	1	2	1
17	1	1	1	1	1	1	1	2	2	1	2	2	1	2	1	2	2	2	1	2	2	1	1	1	1
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	2	2	2	1	0	0	0	0	0	1	2	1	1	1	2	2	1	1
22	1	1	1	1	1	1	2	2	3	2	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1	1	1
25	2	1	1	1	0	1	1	2	2	2	1	0	0	1	1	1	1	2	2	2	1	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0
27	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	2	1	2	1	1	1	2	1
28	2	1	0	0	0	0	0	0	1	1	0	0	0	0	0	1	2	2	2	2	2	1	1	1	1
29	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0
30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 92.1

PERCENTAGE OF DATA INVALID - 7.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK. SUDBURY

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	1	2	1	0	1	1	1	0	1	1	1	2	2	1	1	0	1	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	2	2	0
4	2	1	2	1	1	1	1	1	2	1	1	1	1	1	1	2	2	3	4	3	2	-	2	1	2
5	1	1	1	0	1	1	1	1	2	2	1	1	1	1	1	2	2	3	-	-	3	2	2	2	1
6	1	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
7	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	1	1	2	1	1	0	1	1	1	1	2	2	1	1	-	-	1	1	1
10	1	1	0	0	0	0	0	0	0	4	5	0	.....	.....	0	0	.....	.....	0	0	0	0	0	0	1
11	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	1	2	3	3	3	-	-	-	3	1
12	3	3	4	3	4	3	3	3	2	2	2	2	2	2	3	3	3	3	3	2	2	2	2	1	3
13	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	4	4	3	3	2	2
14	1	1	1	1	1	1	1	0	0	0	0	1	0	1	1	1	1	1	2	3	3	3	3	1	1
15	3	3	2	2	1	1	2	3	3	2	2	2	2	2	1	2	3	3	.....	.....	2	2	1	1	2
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	.....	.....	1	1	1
17	2	2	2	2	3	2	3	3	3	3	2	3	3	3	3	3	3	2	2	.....	.....	2	2	2	3
18	2	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	1	1	1	-	-	-	2
19	0	0	0	0	0	1	1	1	1	1	1	1	-	-	1	2	2	2	2	2	2	3	3	3	1
20	3	2	1	1	1	1	2	3	2	2	1	1	1	1	2	2	2	2	2	2	1	1	1	1	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	2	1	1	3	1
22	3	3	3	3	3	3	3	3	4	4	3	2	3	3	3	3	3	3	2	2	2	1	1	1	3
23	1	1	1	1	1	1	1	2	2	2	2	1	2	2	2	2	2	1	.....	.....	1	1	1	0	1
24	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
25	0	1	0	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	2	3	3	3	1
26	3	3	2	1	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3	3	3	2	3	3	2	3	2
28	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
29	1	.....	.....	.....	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	0	1	0	1	1
30	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
31	1	1	0	0	0	0	1	1	1	1	1	0	1	1	1	1	2	2	2	2	2	2	1	-	1
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1.2

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.9

NOTES 1. "....." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "..." INDICATES DATA IS UNAVAILABLE

3. "....." INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK. SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	0.7	2	3
FEB	22	0.8	2	4
MAR	26	0.8	2	5
APR	30	0.6	2	4
MAY	31	0.4	1	5
JUN	28	0.4	1	4
JUL	31	0.5	1	3
AUG	31	0.6	2	4
SEP	30	0.4	1	4
OCT	31	0.6	3	8
NOV	30	0.7	2	5
DEC	31	1.2	3	5
YEAR	349	0.6	3	8

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN DIOXIDE-CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	00	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	OVER	TOTAL
JAN		586		99			0			0			0			0			0			0			0			0					685	
FEB		479		97			3			0			0			0			0			0			0			0					579	
MAR		515		113			19			0			0			0			0			0			0			0					647	
APR		619		89			3			0			0			0			0			0			0			0					711	
MAY		697		39			3			0			0			0			0			0			0			0					739	
JUN		636		39			3			0			0			0			0			0			0			0					678	
JUL		704		27			0			0			0			0			0			0			0			0					731	
AUG		667		66			1			0			0			0			0			0			0			0					734	
SEP		690		25			1			0			0			0			0			0			0			0					716	
OCT		651		78			7			1			0			0			0			0			0			0					737	
NOV		590		121			5			0			0			0			0			0			0			0					716	
DEC		491		220			9			0			0			0			0			0			0			0					720	
YEAR		7325		1013			54			1			0			0			0			0			0			0					8393	

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.5	0	0.0	0.0	0.0	0.5	1.3	1.8	2.5	2.9	8	0.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JAN 80

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	13	13	17	24	21	15	15	13	14	14	13	11	9	11	11	6	6	6	5	5	5	3	4	4	11
2	4	4	6	7	6	7	7	9	8	8	9	10	11	11	14	16	9	5	4	3	2	2	2	7	
3	2	2	1	2	2	2	4	7	8	9	7	8	9	6	5	6	7	6	5	4	2	3	3	5	
4	2	1	2	1	1	2	2	3	4	5	6	7	7	7	8	8	8	7	7	7	7	8	8	7	
5	6	5	5	5	4	-	2	3	4	4	4	4	4	4	4	4	4	5	6	7	7	7	8	11	
6	12	26	48	52	60	55	45	36	24	14	6	3	3	2	2	2	2	2	2	1	1	1	1	17	
7	1	2	2	2	3	3	3	4	4	3	3	3	4	5	5	5	5	5	5	5	5	5	4	5	
8	3	1	2	1	1	1	2	4	5	4	6	5	5	4	5	7	-	8	8	7	6	6	6	4	
9	4	4	4	3	2	3	4	4	9	9	11	10	9	9	9	7	7	8	8	7	6	6	7	8	
10	7	7	8	8	9	8	7	5	3	-	-	4	8	8	8	9	10	11	9	7	4	4	3	2	
11	2	2	2	1	1	1	1	1	2	1	2	2	2	4	4	3	4	4	2	3	2	1	1	2	
12	1	3	2	1	1	1	1	1	1	2	2	3	3	4	4	5	5	5	6	7	6	4	4	3	
13	1	1	1	2	3	1	1	1	1	1	3	3	2	2	2	4	2	2	2	2	2	2	2	2	
14	5	3	2	3	3	5	7	9	12	14	-	-	-	17	16	16	18	14	11	9	9	8	8	7	
15	3	2	2	2	2	2	3	3	5	8	7	5	5	4	-	-	-	6	4	4	5	8	8	5	
16	8	6	6	6	6	6	6	6	8	8	9	9	10	10	11	10	11	-	8	6	5	5	5	7	
17	5	4	2	2	3	2	2	3	4	5	8	5	4	7	7	9	9	7	6	6	7	8	8	6	
18	9	8	7	7	6	5	5	7	12	-	-	6	5	5	5	4	5	5	4	4	3	3	4	6	
19	3	3	3	3	3	3	3	5	8	10	7	4	3	4	4	4	4	4	4	5	6	4	2	4	
20	2	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	3	5	6	7	7	4	3	
21	3	3	2	2	5	6	7	9	15	-	9	8	8	8	8	7	8	11	10	10	7	4	6	7	
22	2	2	1	2	2	2	4	8	9	10	8	6	7	5	5	5	7	8	8	6	2	2	2	5	
23	2	1	1	1	0	1	1	2	4	3	2	3	2	4	4	5	5	5	4	5	3	3	5	3	
24	4	4	4	3	4	7	4	6	6	7	7	5	3	2	2	2	3	4	7	8	6	5	4	5	
25	10	8	6	5	3	3	4	5	6	7	7	9	19	20	18	12	10	9	7	5	6	11	11	9	
26	7	6	7	7	8	12	8	10	11	10	12	10	6	6	6	7	8	9	8	11	16	31	34	11	
27	13	20	31	29	25	14	10	14	12	9	3	5	5	5	5	5	6	8	6	4	4	3	3	10	
28	2	2	2	2	3	2	4	5	6	4	4	5	5	5	5	6	6	6	6	5	4	4	4	4	
29	4	4	3	3	2	3	4	5	7	6	5	5	4	4	5	5	5	5	5	7	10	10	11	6	
30	12	11	10	6	5	4	4	5	8	7	-	4	5	5	7	7	7	7	6	-	3	4	4	4	
31	2	2	2	2	2	2	4	6	11	13	11	7	5	5	4	5	4	4	4	2	2	2	3	2	
MEAN	5	5	6	6	6	6	6	7	8	7	6	6	6	6	6	6	7	6	6	6	5	6	6	5	

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	5	5	5	5	4	5	7	11	12	13	14	-	11	11	9	10	10	11	10	10	10	9	8	9
2	7	6	5	4	4	2	2	3	3	4	5	8	10	10	8	8	6	4	3	3	1	1	1	1	5
3	1	0	0	0	0	0	0	1	2	4	6	7	8	7	7	6	6	5	6	5	5	3	2	2	3
4	3	3	2	2	1	2	2	3	4	-	5	5	-	4	4	3	4	5	5	5	5	-	4	4	4
5	3	3	3	3	3	4	3	3	4	3	4	3	-	-	4	10	8	8	6	5	5	6	6	7	5
6	9	10	9	9	9	9	10	11	14	14	15	15	17	10	9	8	9	10	20	29	13	9	9	8	12
7	8	8	7	7	5	5	4	4	4	4	4	6	5	6	5	7	6	7	8	10	5	5	7	7	6
8	6	5	4	4	3	3	4	4	4	6	4	-	7	9	12	9	11	11	6	5	4	4	3	3	6
9	3	3	2	1	1	2	2	3	3	3	3	4	3	5	7	14	17	18	13	8	-	-	4	2	6
10	3	2	2	1	1	1	2	3	4	5	5	5	4	4	4	5	-	-	4	3	1	1	1	1	3
11	1	1	2	1	2	2	5	6	-	8	7	7	9	8	7	8	9	9	11	5	-	-	-	4	6
12	3	3	5	6	5	2	3	5	5	5	5	6	5	6	10	10	8	7	7	9	7	5	7	8	6
13	9	9	7	7	6	1	1	1	1	1	2	2	3	3	4	5	5	5	5	6	7	6	3	4	4
14	4	6	4	3	3	3	2	2	1	1	1	2	2	2	2	3	3	4	7	7	8	9	14	15	5
15	12	10	9	7	4	4	6	8	9	13	7	5	5	-	-	7	7	8	-	11	7	7	8	7	8
16	7	5	4	4	4	4	6	7	10	10	-	6	5	5	4	6	6	4	4	4	4	2	4	5	5
17	5	5	5	5	5	5	13	17	23	12	-	7	8	8	9	7	6	6	4	2	-	5	7	7	8
18	9	6	4	4	4	4	5	5	4	5	4	3	4	2	3	4	5	4	4	3	4	-	-	-	4
19	1	0	0	0	0	0	1	1	3	3	-	3	-	-	4	4	5	5	5	5	5	3	3	3	3
20	4	5	5	5	4	4	5	4	5	6	5	4	4	3	3	3	4	4	5	5	5	6	5	5	5
21	5	5	4	4	4	4	5	5	6	6	4	3	3	3	3	3	3	4	5	7	13	12	9	10	5
22	10	10	9	4	4	4	6	7	7	4	3	2	2	2	3	3	3	6	7	7	7	9	7	8	6
23	7	8	8	8	8	7	7	7	-	13	10	9	13	11	9	11	8	10	-	9	9	9	9	9	9
24	9	6	6	7	7	6	7	8	4	4	3	3	3	3	3	3	2	2	2	2	2	2	2	2	4
25	4	5	5	5	4	6	6	4	4	4	5	4	3	3	4	6	6	4	4	3	7	9	10	10	5
26	8	3	3	3	3	3	6	6	4	4	4	9	6	5	9	12	6	6	6	4	7	7	8	8	6
27	9	8	10	12	10	9	9	9	13	15	15	11	8	8	8	8	5	5	5	5	7	7	8	10	9
28	11	11	11	11	12	13	12	12	10	12	9	9	9	9	9	10	12	10	15	15	15	14	15	16	12
29	13	16	21	16	15	13	15	24	32	35	33	17	11	12	12	11	7	5	2	2	2	2	2	3	13
30	3	2	2	1	1	1	1	1	2	-	4	5	6	6	6	6	7	7	5	4	4	4	4	4	4
31	4	5	4	3	3	4	4	3	4	3	4	4	5	5	5	4	4	3	4	4	4	4	4	-	4
MEAN	6	6	5	5	5	4	5	6	7	8	7	6	6	6	6	7	7	7	7	7	6	6	6	6	6.0

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 4.0

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-." INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	6.0	17	60
FEB	25	5.8	18	61
MAR	31	4.0	10	26
APR	30	3.8	7	23
MAY	31	5.1	12	35
JUN	30	3.5	7	19
JUL	26	3.9	8	30
AUG	31	3.6	7	20
SEP	30	6.4	14	54
OCT	31	5.6	14	42
NOV	28	6.2	17	36
DEC	31	6.0	13	35
YEAR	355	5.0	18	61

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	426	230	56	7	4	2	3	728
FEB	394	189	43	12	0	1	2	641
MAR	598	122	14	2	0	0	0	736
APR	570	120	11	1	0	0	0	702
MAY	528	108	70	17	1	0	0	724
JUN	571	97	11	0	0	0	0	679
JUL	535	93	15	2	0	0	0	645
AUG	615	94	14	0	0	0	0	723
SEP	378	218	87	7	2	0	1	693
OCT	494	164	41	15	5	2	0	721
NOV	359	247	57	8	3	0	0	674
DEC	402	235	70	4	3	0	0	714
YEAR	5870	1917	489	75	18	5	6	8380

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.4	0	1.1	2.3	3.5	5.0	8.7	11.6	16.7	21.6	61	5.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	3	5	4	3	4	3	3	4	5	4	5	3	2	3	2	2	1	1	1	1	3
2	1	1	1	1	1	1	1	1	4	6	3	3	2	2	2	2	1	1	4	0	0	0	0	0	1
3	0	0	0	0	0	0	0	1	0	0	0	0	0	2	2	3	4	4	3	2	2	2	2	2	1
4	1	1	0	1	1	1	4	8	8	6	5	5	3	-	-	-	4	4	3	3	4	2	2	2	3
5	2	2	2	1	-	1	0	0	1	1	1	1	2	1	2	1	2	2	2	2	3	3	3	3	2
6	2	4	5	4	2	4	4	4	3	3	3	3	2	1	2	2	2	2	2	1	1	1	2	2	1
7	1	2	4	4	2	0	0	0	1	1	1	0	0	2	2	2	2	2	1	1	1	2	2	1	2
8	1	2	0	1	1	1	0	1	5	0	0	0	-	-	0	1	2	2	2	1	0	1	1	0	1
9	1	0	0	0	0	0	0	2	5	2	3	2	2	2	2	2	4	3	1	4	4	4	4	4	2
10	4	5	3	3	2	3	3	5	5	3	3	3	3	5	4	5	4	3	4	4	5	5	3	3	4
11	3	3	2	2	2	2	2	6	4	6	4	4	6	2	0	0	0	0	0	0	0	0	0	0	2
12	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	2	4	7	5	3	2	2	1
13	2	2	2	1	1	1	1	2	2	2	2	3	3	3	3	3	3	2	3	3	3	2	5	5	2
14	6	3	5	6	4	4	2	3	5	3	2	3	2	3	3	3	3	2	3	3	2	3	5	4	3
15	2	2	2	2	2	2	3	5	2	3	3	3	3	3	3	3	4	4	3	4	4	4	4	2	3
16	2	1	1	1	1	2	2	3	3	2	3	3	3	4	3	4	4	-	4	3	4	5	5	5	3
17	5	4	3	3	3	3	3	4	-	-	-	6	7	6	3	2	3	3	3	2	2	3	2	3	3
18	3	3	2	2	2	2	2	3	2	2	2	2	1	1	2	2	3	2	1	1	2	1	1	1	2
19	1	0	0	0	2	2	2	2	4	2	2	2	1	1	1	1	2	2	1	0	0	0	0	0	1
20	-	0	0	1	0	0	0	0	2	1	0	0	0	0	0	0	1	2	3	4	2	1	1	1	1
21	2	1	2	1	2	2	2	2	4	5	2	1	1	1	1	1	1	3	6	7	7	3	2	1	3
22	2	3	6	5	3	4	4	2	3	3	3	2	-	-	3	3	2	2	5	1	1	2	1	0	3
23	0	0	0	0	0	1	3	2	5	2	2	3	2	2	2	2	2	2	2	2	2	1	1	1	2
24	1	1	1	1	1	1	1	3	5	3	3	4	3	3	6	4	5	5	7	5	4	4	4	3	3
25	2	2	2	2	1	3	3	4	6	5	4	4	4	3	3	2	1	2	3	5	8	5	4	4	3
26	4	5	5	3	2	2	3	6	5	3	1	1	1	1	2	2	2	3	2	1	1	2	6	6	3
27	5	7	4	5	5	4	4	6	6	5	5	4	3	1	1	2	4	2	4	3	6	2	1	4	4
28	1	2	1	1	1	3	1	2	6	4	2	2	2	2	2	3	3	3	4	5	4	2	2	3	3
29	2	1	2	2	1	1	1	3	3	3	2	2	2	2	2	2	3	3	2	1	1	3	2	2	2
30	2	2	1	1	1	1	1	1	2	1	0	0	0	0	3	5	5	2	2	-	1	3	3	3	2
31	3	1	2	1	1	1	3	5	7	4	2	-	0	0	0	0	0	0	0	0	0	0	0	0	1
MEAN	2	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	3	3	3	2	2	2	2.3

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA															MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	4	4	4	3	4	4	4	5	5	6	5	3	-	5	3	3	5	6	5	4	3	3	4	3	4	
2	3	4	2	2	2	2	4	6	4	4	2	2	2	1	1	1	1	1	1	1	1	0	0	0	2	
3	0	0	0	0	0	0	0	1	1	-	1	1	1	1	1	1	1	1	1	1	2	2	4	2	1	
4	1	1	2	1	1	1	2	3	4	3	3	4	-	-	-	-	5	4	4	4	7	-	4	2	3	
5	2	2	2	2	1	1	2	2	3	3	3	4	5	4	4	4	5	5	4	4	4	4	4	3	3	
6	2	2	2	2	1	2	2	3	4	4	4	6	7	7	7	9	8	6	5	7	6	6	6	7	5	
7	6	5	5	5	5	5	5	5	6	4	5	5	5	4	5	5	4	3	3	5	4	3	3	4	5	
8	5	5	7	6	6	6	10	11	15	13	6	5	5	4	4	5	4	3	1	1	1	1	1	1	5	
9	1	1	1	1	1	1	1	2	4	5	-	-	-	-	-	-	5	4	3	3	3	3	2	2	2	
10	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	3	2	2	1	-	3	1	1	2	
11	1	0	0	0	2	3	5	5	5	4	-	2	3	3	3	4	4	4	3	3	3	3	3	3	3	
12	5	6	5	3	2	3	3	5	6	7	9	8	8	5	5	4	4	5	5	4	3	2	3	5	5	
13	4	4	4	3	1	1	0	0	0	0	0	0	0	0	0	1	2	3	2	2	1	3	3	2	2	
14	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	2	3	3	1	3	3	4	2	
15	3	4	3	4	3	6	6	6	11	9	8	5	6	5	4	5	7	7	6	5	10	9	10	9	6	
16	4	4	3	4	5	3	3	4	3	3	2	2	3	2	2	2	3	3	4	3	3	2	2	2	3	
17	3	2	2	2	2	3	5	8	11	9	-	-	5	7	13	6	6	6	5	6	-	6	3	2	5	
18	3	2	2	2	2	2	1	1	1	2	1	2	2	1	2	3	2	2	3	2	2	-	-	-	2	
19	1	1	1	1	1	1	1	1	1	1	1	1	-	-	1	0	-	-	-	-	-	-	-	-	2	
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	5	4	3	5	5	4	3	*****	
21	2	2	2	3	2	2	3	3	4	3	2	1	2	2	3	3	4	5	5	3	7	3	4	5	3	
22	7	10	11	11	7	8	7	5	10	8	6	7	8	6	5	4	7	6	5	4	6	6	8	9	7	
23	8	11	11	13	10	11	10	8	8	8	6	6	6	7	5	6	8	10	-	7	7	8	7	4	8	
24	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										- DATA UNAVAILABLE -	
25	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										- DATA UNAVAILABLE -	
26	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										- DATA UNAVAILABLE -	
27	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										- DATA UNAVAILABLE -	
28	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										- DATA UNAVAILABLE -	
29	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										- DATA UNAVAILABLE -	
30	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										- DATA UNAVAILABLE -	
31	- DATA UNAVAILABLE -														- DATA UNAVAILABLE -										- DATA UNAVAILABLE -	
MEAN	3	3	3	3	3	3	4	4	5	5	3	3	4	3	4	3	4	4	4	3	4	4	4	3	3.6	

PERCENTAGE OF DATA VALID - 67.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 32.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.3	4	8
FEB	29	2.6	7	12
MAR	31	2.5	7	22
APR	30	3.0	6	20
MAY	28	3.5	6	20
JUN	30	2.8	5	12
JUL	31	3.9	6	27
AUG	30	3.5	7	11
SEP	25	4.1	8	15
OCT	30	2.3	6	23
NOV	25	4.4	9	17
DEC	21	3.6	8	15
YEAR	341	3.2	9	27

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	699	30	0	0	0	0	0	729
FEB	585	85	7	0	0	0	0	677
MAR	641	76	7	1	0	0	0	725
APR	614	77	9	0	0	0	0	700
MAY	540	93	16	0	0	0	0	649
JUN	595	70	2	0	0	0	0	667
JUL	573	130	13	1	0	0	0	717
AUG	580	117	2	0	0	0	0	699
SEP	448	159	9	0	0	0	0	616
OCT	655	49	5	3	0	0	0	712
NOV	419	160	26	0	0	0	0	605
DEC	407	86	12	0	0	0	0	505
YEAR	6756	1132	108	5	0	0	0	8001

FREQUENCY DISTRIBUTION BY PERCENTILES

 PERCENT
OF DATA
VALID

CONCENTRATIONS																					
MIN		FREQUENCY DISTRIBUTION, PERCENT							ARITH MEAN												
10		30		50		70		90		95		98		99		MAX					
0		0.1		1.1		2.1		3.5		6.0		7.5		9.3		10.8		27		3.2	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14902

286 PAGET ST. CORUNNA

MONTH - JAN 80

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	2	2	1	1	1	3	4	9	6	7	11	4	4	5	4	2	1	1	2	2	1	1	1	3
2	1	0	0	1	1	1	1	1	2	2	2	3	1	1	2	2	2	3	1	1	1	0	1	1	1
3	1	2	2	2	1	1	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	1
4	1	1	1	1	1	1	2	3	4	4	3	3	2	2	2	1	1	2	3	2	2	3	2	2	2
5	2	2	2	2	2	2	1	1	1	1	1	1	2	1	2	1	1	2	3	1	6	4	3	4	2
6	3	2	2	2	3	3	1	2	2	3	3	2	2	1	1	0	0	0	0	1	1	2	2	1	2
7	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	1
8	0	0	0	0	0	0	0	1	1	0	2	2	0	0	0	0	0	2	1	1	1	1	1	1	1
9	1	1	1	1	1	0	0	0	2	2	2	2	0	1	0	1	1	1	2	2	2	2	2	2	1
10	1	4	3	3	2	2	2	3	3	3	2	2	3	4	4	3	3	4	4	5	6	4	3	3	3
11	3	2	2	2	1	2	4	5	3	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	2	2	1	1	1	1
13	1	1	1	1	0	0	1	2	2	2	2	3	3	2	2	1	1	1	1	2	1	0	2	1	1
14	1	1	1	2	2	3	5	4	4	4	5	5	4	2	4	3	2	2	1	1	2	1	1	1	3
15	1	1	1	1	1	2	2	3	2	2	1	1	1	1	1	2	2	2	3	2	2	2	3	2	2
16	1	2	1	2	2	3	3	2	2	2	2	2	1	1	1	2	2	2	3	2	2	4	6	7	7
17	4	3	2	3	2	2	1	1	2	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	2
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	1	2	2	2	0	0	0	0	0	1	0	2	2	1	1
21	0	0	0	0	1	1	2	3	3	3	2	1	0	0	0	0	2	4	5	7	5	2	1	1	2
22	1	2	2	1	1	1	2	3	3	3	3	3	3	3	3	1	2	3	1	1	1	1	1	0	2
23	0	0	0	0	0	0	0	2	2	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0
24	0	0	0	0	0	1	1	1	1	2	2	2	4	4	5	3	3	5	11	15	4	2	1	1	3
25	1	1	1	1	1	1	1	2	1	1	3	5	6	5	5	3	2	3	2	3	4	4	3	2	3
26	2	2	2	2	1	1	1	2	3	2	1	1	0	0	1	1	0	1	3	3	3	3	3	3	2
27	4	5	5	4	3	3	5	3	3	2	1	1	0	0	1	1	1	1	2	1	1	1	1	1	2
28	1	1	0	0	0	0	2	1	1	1	1	0	1	0	1	2	1	1	1	1	1	1	1	2	1
29	2	2	1	1	1	2	2	2	2	1	1	1	0	0	0	0	1	1	1	1	1	1	1	1	1
30	2	2	2	2	1	2	2	2	1	2	2	1	0	1	1	1	1	1	1	1	0	0	0	0	1
31	0	0	0	1	0	0	2	0	0	0	0	0	0	0	2	2	3	3	2	2	2	2	2	2	1
MEAN	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	1	1	2	2	2	2	2	2	2	1.6

PERCENTAGE OF DATA VALID - 94.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 5.9

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14902 286 PAGET ST. CORUNNA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	1.6	3	15
FEB	20	2.4	6	13
MAR	19	1.8	4	11
APR	21	2.2	4	9
MAY	0	3.1	***	4
YEAR	89	2.0	6	15

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14902 286 PAGET ST. CORUNNA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	687	10	3	0	0	0	0	700
FEB	453	25	2	0	0	0	0	480
MAR	448	16	1	0	0	0	0	465
APR	536	23	0	0	0	0	0	559
MAY	8	0	0	0	0	0	0	8
YEAR	2132	74	6	0	0	0	0	2212

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
60.6	0	0.0	0.4	1.1	1.9	3.7	4.7	5.9	7.6	15	2.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 14903 VIRGIL LA SALLE, FROOMFIELD SARNIA															MONTH - SEP 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	2	2	3	2	2	2	2	2	2	2	2	3	1	1	2	2	2	2	2	2	3	3	2	2
2	2	3	3	3	2	3	4	4	2	2	2	2	1	1	1	1	1	1	2	3	2	2	2	1	2
3	1	1	1	1	1	4	5	5	5	4	2	2	-	-	8	5	4	2	1	1	1	1	1	1	3
4	1	1	1	1	1	1	3	3	3	7	4	5	4	4	3	1	1	1	2	2	2	2	2	3	2
5	1	1	1	1	1	2	4	3	3	1	1	1	1	1	1	1	1	1	2	2	3	4	3	3	2
6	4	7	8	6	4	3	2	1	2	0	0	1	2	2	-	-	-	-	-	-	-	-	-	-	*****
7	- DATA UNAVAILABLE -																								
8	- DATA UNAVAILABLE -																								
9	- DATA UNAVAILABLE -																								
10	- DATA UNAVAILABLE -																								
11	1	1	0	0	1	2	2	1	1	-	-	1	1	1	1	1	1	2	2	2	2	2	2	1	1
12	1	1	1	1	1	1	4	5	7	3	2	3	3	3	2	2	2	3	3	2	1	2	1	1	2
13	2	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	1	1	2	1	1
14	2	1	2	1	1	2	1	0	1	1	1	0	1	1	3	1	1	1	1	1	1	3	3	1	1
15	0	0	0	0	0	0	0	1	2	2	1	1	0	0	1	1	3	3	2	1	1	0	2	1	1
16	1	1	1	1	1	1	4	4	2	2	0	1	1	1	2	2	1	1	2	1	1	2	1	1	1
17	2	1	1	1	2	1	2	2	-	0	2	2	1	2	1	0	0	1	3	2	2	2	0	0	1
18	1	1	1	1	1	1	2	2	1	1	2	2	1	1	2	3	3	2	2	2	2	1	1	1	2
19	2	4	4	6	2	2	2	2	2	1	1	1	4	4	4	3	1	1	1	1	1	1	1	3	2
20	- DATA UNAVAILABLE -																								
21	- DATA UNAVAILABLE -																								
22	- DATA UNAVAILABLE -																								
23	- DATA UNAVAILABLE -																								
24	- DATA UNAVAILABLE -																								
25	- DATA UNAVAILABLE -																								
26	- DATA UNAVAILABLE -																								
27	- DATA UNAVAILABLE -																								
28	- DATA UNAVAILABLE -																								
29	- DATA UNAVAILABLE -																								
30	- DATA UNAVAILABLE -																								
MEAN	1	2	2	2	1	2	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 47.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 52.1

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14903

VIRGIL LA SALLE, FROOMFIELD SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY	13	3.1	5	16
JUN	28	1.6	3	8
JUL	31	1.8	3	11
AUG	31	1.5	2	7
SEP	14	1.8	3	8
YEAR	117	1.8	5	16

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14903

VIRGIL LA SALLE, FROOMFIELD SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	293	44	3	0	0	0	0	340
JUN	655	12	0	0	0	0	0	667
JUL	723	12	1	0	0	0	0	736
AUG	736	3	0	0	0	0	0	739
SEP	338	7	0	0	0	0	0	345
YEAR	2745	78	4	0	0	0	0	2827

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
77.0	0	0.0	0.5	1.0	1.7	3.0	4.0	5.8	6.9	16	1.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	1	1	0	0	2	1	1	1	1	2	2	1	2	2	2	2	1	1	2	3	5	2
2	5	5	3	3	2	4	5	6	7	7	8	8	9	6	-	9	8	4	2	2	2	2	1	1	5
3	2	2	1	1	2	2	2	2	3	2	2	2	2	2	2	2	4	5	7	4	4	4	3	3	3
4	3	4	4	3	3	4	5	6	8	5	3	4	4	4	4	-	4	4	4	4	4	3	4	4	4
5	5	6	4	4	-	2	2	2	8	7	4	4	4	4	4	4	4	4	4	4	4	4	3	3	5
6	13	14	10	8	13	8	12	10	8	7	4	4	6	6	4	4	5	8	6	11	10	6	7	10	5
7	3	2	5	3	2	1	2	3	3	4	3	4	4	4	4	4	5	4	4	4	4	3	3	2	3
8	2	2	2	1	1	1	2	3	3	4	5	5	6	6	4	6	7	9	5	5	5	5	4	4	4
9	3	3	3	3	2	2	2	4	6	6	4	4	4	4	4	5	7	7	6	7	6	6	8	8	4
10	8	11	9	7	6	6	8	8	6	6	5	5	4	3	4	4	5	7	6	7	6	6	8	8	5
11	8	8	7	7	5	4	4	4	5	4	5	6	5	5	7	5	5	5	5	5	3	3	3	3	5
12	3	4	3	2	3	3	2	4	4	4	4	4	5	5	5	5	5	6	7	9	18	31	18	9	7
13	6	5	4	4	5	4	4	4	4	4	6	5	7	5	5	6	6	6	6	8	8	8	6	7	6
14	10	10	4	4	4	4	7	8	14	12	12	8	7	7	6	6	9	9	5	5	5	5	7	8	7
15	3	3	5	5	6	7	7	8	9	8	5	4	5	5	5	5	7	7	5	5	5	5	3	3	5
16	3	3	3	4	2	3	4	5	5	5	5	6	-	6	6	0	36	-	5	6	5	4	5	6	6
17	4	4	4	4	3	3	6	6	6	6	7	7	7	7	9	9	11	9	7	6	5	4	3	3	6
18	3	2	2	2	3	4	6	8	11	4	-	6	6	4	4	5	6	6	5	5	4	4	3	3	6
19	2	2	1	1	1	1	1	1	2	2	3	3	4	4	3	2	3	4	3	2	2	2	1	1	2
20	-	1	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	3	3	1
21	2	1	0	0	0	1	3	5	8	5	3	2	2	2	-	4	8	11	18	18	11	6	7	7	5
22	2	2	2	2	2	2	4	5	5	5	6	7	6	6	5	5	5	4	4	4	2	2	2	2	4
23	1	0	0	0	0	0	1	2	2	2	2	1	1	1	2	2	2	3	2	2	1	1	1	1	1
24	1	1	1	1	1	2	3	5	8	7	5	4	3	2	2	2	4	5	5	9	7	6	3	2	4
25	2	1	2	3	2	1	2	2	3	4	4	4	4	4	0	-	4	7	9	9	11	6	6	10	9
26	5	6	5	5	5	5	3	4	4	5	5	4	4	4	4	4	5	5	5	5	5	4	3	3	5
27	3	3	3	3	2	3	5	10	9	7	5	3	4	5	4	4	5	5	6	3	3	4	3	2	4
28	2	1	1	1	1	1	2	3	5	-	-	2	2	2	3	3	6	7	9	9	6	5	8	8	4
29	3	2	2	2	2	2	3	5	6	5	2	4	2	2	3	3	4	6	10	10	6	5	4	3	4
30	3	3	2	2	2	1	2	2	3	2	2	1	1	2	2	2	3	8	4	-	3	3	3	5	3
31	4	3	3	1	1	2	3	7	6	2	2	2	1	1	1	2	3	3	2	3	2	2	3	3	3
MEAN	4	4	3	3	3	3	4	5	5	5	4	4	4	4	4	4	6	6	5	6	5	4	4	4	4.3

PERCENTAGE OF DATA VALID - 98.3

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY LONDON															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	3	3	9	12	11	10	7	4	-	4	4	4	6	9	8	7	5	4	8	6	6
2	3	4	3	2	2	2	2	4	4	4	3	3	3	4	5	5	3	0	0	0	0	0	0	0	2
3	0	0	0	0	0	0	0	1	1	0	0	1	1	2	2	2	2	3	1	2	1	1	2	2	1
4	1	1	1	1	1	1	2	3	3	3	3	5	-	2	2	1	3	3	3	2	2	-	1	2	2
5	5	8	6	4	2	2	1	3	3	3	7	-	-	3	6	6	7	6	3	5	3	4	3	8	4
6	3	3	2	1	1	1	2	3	3	3	4	5	6	5	5	5	9	6	6	6	4	4	5	5	4
7	4	5	4	5	5	4	4	5	6	8	12	14	24	27	31	12	11	9	6	5	4	4	4	5	9
8	6	9	8	7	3	5	7	6	6	3	4	3	4	5	6	5	4	3	2	2	2	2	2	1	4
9	0	0	0	0	0	0	2	8	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
10	-	-	-	-	-	-	-	-	-	-	-	-	-	3	3	3	-	-	-	1	0	0	0	0	4
11	0	1	1	1	1	1	4	5	8	6	4	3	3	4	4	4	5	6	5	5	-	-	-	5	4
12	5	5	4	4	4	3	8	11	11	11	8	9	6	7	6	4	-	10	10	8	6	3	3	3	6
13	3	4	2	3	2	0	0	0	0	1	1	1	1	1	1	3	3	2	4	6	5	6	4	3	2
14	2	2	2	1	1	0	0	0	0	0	0	0	1	1	1	1	2	2	3	5	7	8	5	5	2
15	10	8	4	5	5	5	11	20	32	35	26	9	5	-	-	3	6	5	-	4	2	4	6	6	10
16	5	7	6	4	3	2	1	1	3	1	1	1	1	5	-	-	-	-	-	-	-	-	-	-	4
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2	3	4	4	4	4	4	3	4	3	4
20	3	2	1	1	1	1	1	3	4	3	3	3	2	3	2	3	4	3	4	3	3	3	3	4	3
21	4	4	3	3	1	2	3	3	2	2	2	2	2	1	2	2	2	3	3	5	5	6	6	10	3
22	13	6	9	8	7	8	12	18	15	11	10	10	7	5	5	7	8	7	6	7	8	11	11	12	9
23	11	11	10	6	6	5	6	12	11	-	8	8	6	6	7	9	9	8	-	9	7	5	5	5	8
24	6	5	5	5	5	6	6	6	1	0	0	0	1	0	0	0	0	0	1	0	1	1	1	1	2
25	0	1	1	0	2	1	7	1	4	2	2	1	1	1	1	2	2	3	3	3	3	2	2	2	2
26	1	1	1	1	0	0	1	3	2	2	3	3	4	3	3	3	5	7	3	4	3	5	9	12	3
27	13	12	12	16	21	22	24	20	19	15	11	6	5	2	2	3	7	5	8	10	9	8	6	8	11
28	9	11	11	15	13	8	13	17	13	15	14	8	10	9	9	6	6	5	8	10	12	9	11	7	10
29	7	7	7	8	6	5	7	7	11	8	7	-	8	8	9	8	6	5	3	2	2	1	3	1	6
30	1	0	0	0	0	0	0	2	3	2	2	2	2	2	2	2	3	4	8	7	4	6	6	3	3
31	3	3	3	2	2	2	2	3	3	3	2	2	2	2	2	1	1	1	1	2	2	2	1	-	2
MEAN	4	5	4	4	4	3	5	7	7	6	6	4	5	4	5	4	5	5	4	5	4	4	4	5	4.6

PERCENTAGE OF DATA VALID - 84.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 15.9

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY LONDON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	4.3	7	36
FEB	29	4.5	11	42
MAR	31	3.0	6	34
APR	30	3.9	11	49
MAY	28	3.3	8	21
JUN	23	3.4	8	22
JUL	31	2.7	6	28
AUG	31	2.4	5	17
SEP	30	4.2	7	49
OCT	31	3.6	10	53
NOV	30	4.4	8	36
DEC	25	4.6	11	35
YEAR	350	3.7	11	53

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	544	167	18	0	2	0	0	731
FEB	486	165	26	3	0	1	0	681
MAR	646	75	7	0	1	0	0	729
APR	568	89	23	4	4	4	0	692
MAY	563	87	31	1	0	0	0	682
JUN	456	66	13	2	0	0	0	537
JUL	640	52	19	1	0	0	0	712
AUG	681	37	7	0	0	0	0	725
SEP	538	125	35	6	0	1	0	705
OCT	613	92	21	3	0	0	1	730
NOV	509	141	55	3	1	0	0	709
DEC	436	137	44	6	3	0	0	626
YEAR	6680	1233	299	29	11	6	1	8259

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.0	0	0.2	1.3	2.2	3.8	7.0	9.4	13.0	16.8	53	3.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	0	1	0
2	1	1	1	1	3	5	6	6	5	4	3	2	2	2	2	2	2	2	1	1	1	1	1	0	2
3	0	0	1	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	3	4	1
4	4	4	3	3	2	2	3	3	4	2	2	0	-	2	2	2	1	1	1	2	1	1	1	1	2
5	1	1	1	0	-	0	0	1	1	1	3	1	1	1	1	0	1	1	1	1	1	1	1	1	1
6	2	2	1	2	2	3	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
7	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	3	2	2
8	1	1	1	0	0	1	1	1	1	1	-	0	0	1	1	1	1	1	1	1	1	1	1	1	1
9	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	2	2	2	1	1	1	1
10	3	3	4	2	2	1	1	1	2	2	2	2	2	2	4	2	1	2	1	1	4	3	4	3	2
11	3	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
13	1	1	1	1	1	1	1	1	2	1	2	1	1	1	1	1	1	2	2	1	1	1	1	1	1
14	1	2	2	1	2	2	2	2	2	2	3	2	1	1	1	1	2	1	1	1	1	2	3	4	2
15	4	4	1	0	0	0	1	3	4	2	1	2	0	0	0	0	2	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	2	2	3	2	3	3	3	2	-	2	2	2	2	3	3	2
17	3	3	2	2	2	1	1	3	3	2	3	2	3	3	4	2	2	2	2	2	2	2	2	2	2
18	2	2	2	2	3	2	2	3	3	3	2	2	2	3	3	3	3	1	1	1	1	1	1	1	2
19	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	1
20	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	0	0	0	1	1	1	1	0	0	1	1	1	1	3	4	3	3	2	2	1	1
22	1	2	1	1	0	0	1	1	1	1	2	3	1	2	3	2	2	1	1	2	1	1	1	1	1
23	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	1	1	1	1	1	1	2	1	1
25	2	2	1	1	1	1	2	1	1	2	2	3	1	1	1	1	1	2	1	2	2	2	3	2	2
26	2	2	2	2	2	1	1	1	2	0	0	0	0	0	0	1	1	1	1	0	0	0	1	1	1
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	0	0
28	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	4	1
29	2	1	1	1	1	1	2	2	3	-	2	1	0	0	0	0	1	1	1	0	1	2	2	1	1
30	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	1
31	1	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.1

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.1	2	6
FEB	27	1.1	4	8
MAR	20	1.2	2	6
APR	24	1.3	2	8
MAY	21	1.4	2	6
JUN	29	1.4	2	9
JUL	31	1.7	3	7
AUG	30	1.6	2	10
SEP	30	1.3	2	5
OCT	31	1.2	3	9
NOV	18	1.1	3	7
YEAR	292	1.3	4	10

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071 EXPERIMENTAL FARM SIMCOE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	735	2	0	0	0	0	0	737
FEB	639	9	0	0	0	0	0	648
MAR	528	2	0	0	0	0	0	530
APR	590	5	0	0	0	0	0	595
MAY	528	1	0	0	0	0	0	529
JUN	703	1	0	0	0	0	0	704
JUL	739	2	0	0	0	0	0	741
AUG	722	6	0	0	0	0	0	728
SEP	700	0	0	0	0	0	0	700
OCT	735	3	0	0	0	0	0	738
NOV	433	1	0	0	0	0	0	434
YEAR	7052	32	0	0	0	0	0	7084

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	CONCENTRATIONS									MAX	ARITH MEAN
	MIN	10	30	50	70	90	95	98	99		
88.1	0	0.0	0.3	0.7	1.2	1.9	2.6	3.5	4.1	10	1.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD. 3 KM S OF HWY 3, NANTICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	1.2	3	8
FEB	16	1.1	3	6
MAR	30	1.0	2	6
APR	26	1.5	3	7
MAY	26	1.4	2	10
JUN	30	0.8	2	18
JUL	29	1.0	2	5
AUG	31	0.8	2	4
SEP	30	0.2	2	8
OCT	30	0.7	2	5
NOV		DATA UNAVAILABLE		
YEAR	276	0.9	3	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD. 3 KM S OF HWY 3, NANTICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	686	2	0	0	0	0	0	688
FEB	395	2	0	0	0	0	0	397
MAR	716	1	0	0	0	0	0	717
APR	640	2	0	0	0	0	0	642
MAY	635	2	0	0	0	0	0	637
JUN	712	1	1	0	0	0	0	714
JUL	708	0	0	0	0	0	0	708
AUG	736	0	0	0	0	0	0	736
SEP	705	1	0	0	0	0	0	706
OCT	710	0	0	0	0	0	0	710
NOV	DATA UNAVAILABLE							
YEAR	6643	11	1	0	0	0	0	6655

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.9	0	0.0	0.0	0.3	0.8	1.7	2.2	2.9	3.5	18	0.9

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22901

LONG PT PROV PK 100M S HWY59

MONTH - JUL 80

HOURL DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	19	19	19	20	20	20	20	26	33	26	35	26	23	22	21	20	20	18	14	13	12	24	26	25	22
2	25	21	18	15	16	16	16	18	18	14	13	-	-	9	9	11	12	13	12	13	13	13	13	14	15
3	15	13	14	14	21	25	28	26	27	24	19	16	16	***	***	14	13	12	13	13	11	9	11	9	17
4	17	19	19	20	20	19	15	15	-	-	-	16	-	-	-	-	-	-	-	13	12	9	9	9	***
5	9	9	11	12	9	13	14	13	13	12	12	12	13	11	11	9	9	8	9	11	8	7	7	7	10
6	7	7	7	7	7	8	7	8	8	5	5	5	5	4	4	4	4	5	4	5	8	11	12	11	7
7	9	11	11	12	12	18	29	26	17	15	15	14	13	12	13	15	16	15	14	16	16	16	18	19	16
8	18	***	***	***	***	***	***	***	***	***	***	14	13	***	***	***	***	***	***	***	***	***	***	***	***
9	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
10	11	9	9	9	9	11	11	12	12	12	12	11	9	12	14	15	15	15	17	22	26	38	36	28	16
11	23	19	19	18	18	16	13	13	14	15	16	17	-	***	***	***	***	***	***	***	***	***	***	***	***
12	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
13	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
14	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
15	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
16	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
17	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
18	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
19	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
20	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
21	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
22	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
23	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
24	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
25	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
26	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
27	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
28	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
29	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
30	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
31	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
MEAN	15	14	14	14	15	16	17	17	18	15	16	15	13	12	12	13	13	12	12	13	13	16	16	15	14.6

PERCENTAGE OF DATA VALID - 26.2

PERCENTAGE OF DATA INVALID - 72.6

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22901

LONG PT PROV PK 100M S HWY59

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	12.5	26	53
FEB	29	11.7	30	75
MAR	31	12.7	23	46
APR	26	12.5	26	48
MAY	31	14.6	26	74
JUN	30	19.2	48	72
JUL	7	14.6	22	38
AUG		DATA UNAVAILABLE		
SEP		DATA UNAVAILABLE		
OCT		DATA UNAVAILABLE		
YEAR	185	13.9	48	75

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22901 LONG PT PROV PK 100M S MAY59

MONTH	00 TO 50	51 TO 100	101 TO 200	201 TO 300	301 TO 400	401 TO 500	501 & OVER	TOTAL
JAN	729	1	0	0	0	0	0	730
FEB	686	3	0	0	0	0	0	689
MAR	739	0	0	0	0	0	0	739
APR	642	0	0	0	0	0	0	642
MAY	724	5	0	0	0	0	0	729
JUN	691	10	0	0	0	0	0	701
JUL	195	0	0	0	0	0	0	195
AUG	DATA UNAVAILABLE							
SEP	DATA UNAVAILABLE							
OCT	DATA UNAVAILABLE							
YEAR	4406	19	0	0	0	0	0	4425

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.6	2	4.9	8.4	11.7	15.6	23.7	27.8	35.6	40.6	75	13.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22902 TYNESIDE/CHIPPEWA RD BINBROOKE WEST

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	4	5	5	5	4	5	5	5	5	5	5	6	6	7	6	6	6	5	4	6	6	9	5
2	18	16	11	14	7	8	18	32	40	38	30	22	19	-	24	26	29	30	26	21	23	14	10	10	21
3	10	8	9	7	5	7	15	23	22	28	33	38	30	23	22	21	22	31	41	48	52	55	50	26	26
4	34	38	41	61	71	67	52	51	35	13	9	11	13	12	11	11	12	20	15	10	9	9	10	11	26
5	12	9	10	11	11	10	11	19	32	40	42	16	13	12	11	16	19	29	31	33	30	31	27	33	21
6	51	52	58	62	58	54	37	25	16	11	10	9	9	10	37	17	14	11	10	10	11	25	33	24	27
7	17	15	27	26	37	24	12	8	7	5	7	6	7	9	10	-	9	9	9	11	11	11	11	11	13
8	6	5	6	6	6	5	7	7	7	6	7	9	10	10	11	16	21	19	20	16	15	14	14	12	11
9	12	12	10	10	9	10	10	11	13	14	11	8	10	8	10	8	7	8	7	13	14	15	20	19	11
10	22	19	18	16	18	14	9	10	24	21	21	16	13	13	9	12	19	42	48	46	37	35	36	31	23
11	22	21	21	18	17	16	15	13	13	13	14	15	21	30	48	42	12	9	8	7	6	6	6	6	17
12	4	4	4	4	3	2	2	3	2	3	3	3	2	1	1	1	2	2	3	3	3	4	2	3	3
13	1	2	1	2	2	2	4	6	8	14	8	7	7	7	8	6	6	5	5	6	7	6	7	5	5
14	9	11	13	16	12	11	12	15	16	17	18	17	11	12	15	17	23	21	16	21	52	42	34	15	19
15	10	5	4	3	3	26	33	45	54	65	71	-	-	8	8	9	7	8	6	4	8	8	7	8	18
16	4	4	4	3	2	3	5	8	10	13	18	17	17	15	14	12	12	15	18	23	26	29	30	39	14
17	44	43	41	39	36	27	18	13	14	16	17	19	23	24	25	26	22	15	15	16	16	17	19	24	24
18	17	21	19	18	20	20	19	20	23	21	21	21	21	20	19	17	15	10	8	8	9	10	9	7	16
19	6	6	6	3	3	2	3	3	3	3	4	6	6	6	8	9	8	7	6	5	6	5	6	4	5
20	3	3	3	3	2	2	2	2	2	2	2	3	2	3	3	3	3	3	3	3	3	3	4	4	3
21	4	4	5	5	3	2	2	6	4	5	6	6	7	6	6	6	8	12	11	17	19	20	17	14	8
22	11	11	12	9	6	5	7	14	18	14	15	16	17	16	17	18	17	14	11	10	10	11	12	12	13
23	10	9	4	3	2	2	3	3	5	6	5	3	5	4	3	3	4	5	5	4	4	4	3	3	4
24	2	2	2	2	2	4	4	5	6	7	6	-	4	4	4	6	11	17	24	26	30	40	36	30	12
25	33	34	26	24	22	20	13	9	14	15	16	17	18	19	24	39	43	37	34	24	19	21	20	25	24
26	14	9	12	10	10	10	10	8	7	8	7	7	5	5	7	7	6	6	4	4	5	5	5	4	7
27	5	5	4	3	3	3	3	4	5	4	4	2	4	4	4	5	6	6	10	11	11	10	10	11	6
28	13	12	6	5	5	5	6	5	7	8	7	6	5	6	5	6	8	9	7	8	10	10	10	13	8
29	14	14	14	11	10	10	14	22	21	18	18	12	8	7	-	7	8	9	8	6	8	11	16	17	12
30	18	17	13	9	6	6	8	14	16	10	43	23	12	9	9	7	8	13	15	14	10	10	13	13	13
31	18	15	11	9	8	5	9	18	22	17	-	14	8	7	6	8	8	9	7	8	6	8	10	8	10
MEAN	14	14	14	14	13	12	12	14	15	14	16	12	11	11	12	13	14	14	14	14	15	16	16	15	13.7

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22902

TYNESIDE/CHIPPEWA RD BINGROOKE, WEST

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19	7	7	8	5	5	4	6	6	6	8	8	8	5	6	3	5	6	6	5	6	6	7	7	7	6
20	8	7	7	6	5	4	5	5	5	6	5	6	9	6	5	4	6	8	5	6	6	8	7	6	6
21	6	5	5	4	5	4	4	5	5	5	6	5	6	6	3	4	5	6	6	5	7	5	6	8	5
22	8	8	10	12	13	14	13	11	11	19	16	14	16	14	13	12	10	10	15	14	16	18	22	27	14
23	39	52	47	51	55	53	48	53	38	35	31	33	27	23	20	22	21	20	19	18	21	37	31	35	
24	29	30	30	33	32	34	34	36	36	30	19	7	8	7	9	6		4	6	6	5	5	9	15	19
25	18	20	26	20	21	18	12	11	13	20	13	9	10	11	10	8	7	8	10	10	15	16	17	18	14
26	15	10	9	10	13	13	13	13	15	14	11	11	15	15	16	16	19	20	14	16	19	22	25	35	16
27	35	31	30	32	32	28	31	42	50	44	67	65	49	37	31	27	33	43	49	140	211	153	108	88	61
28	56	51	50	52	43	44	56	61	66	53	31	20	26	28	28	28	34	40	47	48	52	54	54	54	45
29	42	35	38	37	37	37	53	54	43	46	56	70	100	106	88	66	93	82	70	47	43	39	29	57	
30	24	11	10	9	12	18	15	21	27	47	52	71	59	50	55	68	92	105	70	66	62	77	85	88	50
31	96	58	100	87	56	41	14	13	9	-	9	10	11	11	11	10	13	15	16	17	23	22	18	15	29
MEAN	29	25	28	28	25	24	24	25	27	28	24	24	24	24	24	23	26	29	27	33	37	33	32	31	27.3

PERCENTAGE OF DATA VALID - 42.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 57.9

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22902

TYNESIDE/CHIPPEWA RD BINGROOKE WEST

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	13.7	27	71
FEB	29	15.3	33	81
MAR	25	13.5	30	76
APR	30	13.1	32	79
MAY	28	16.3	27	68
JUN	30	10.5	22	69
JUL	4	11.2	11	38
AUG	28	14.0	31	58
SEP	26	14.8	26	68
OCT	31	12.8	34	90
NOV	25	14.4	31	70
DEC	13	27.3	61	211
YEAR	300	14.3	61	211

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22902

TYNESIDE/CHIPPEWA RD BIRNBROOKE WEST

MONTH	00 TO 50	51 TO 100	101 TO 200	201 TO 300	301 TO 400	401 TO 500	501 & OVER	TOTAL
JAN	720	17	0	0	0	0	0	737
FEB	666	24	0	0	0	0	0	690
MAR	627	11	0	0	0	0	0	638
APR	698	13	0	0	0	0	0	711
MAY	666	14	0	0	0	0	0	680
JUN	709	4	0	0	0	0	0	713
JUL	96	0	0	0	0	0	0	96
AUG	682	3	0	0	0	0	0	685
SEP	648	7	0	0	0	0	0	655
OCT	728	13	0	0	0	0	0	741
NOV	605	5	0	0	0	0	0	610
DEC	259	48	5	1	0	0	0	313
YEAR	7104	159	5	1	0	0	0	7269

FREQUENCY DISTRIBUTION BY PERCENTILES

 PERCENT
OF DATA
VALID

MIN

10

30

CONCENTRATIONS

FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

 ARITH
MEAN

82.8

0

3.3

7.2

10.8

15.7

27.3

36.6

51.3

59.8

211

14.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22906

SANDUSK RD BTWN WALPOLE CONC 4/5.SANDUSK

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	10	10	18	14	14	14	15	17	16	12	14	13	13	16	12	14	14	17	15	14	15	14	13	13	14
2	13	16	14	13	14	26	41	61	57	51	42	28	30	27	27	34	46	28	30	23	23	20	21	13	29
3	14	13	13	13	11	11	12	12	16	21	19	20	21	23	17	18	21	20	17	16	16	18	27	28	17
4	28	33	36	35	39	37	31	21	20	23	22	16	23	20	18	16	15	15	24	23	22	20	18	18	24
5	17	16	16	14	14	14	12	12	12	13	13	9	10	10	9	9	9	15	14	42	30	20	19	15	
6	27	34	23	21	22	45	34	27	20	15	15	15	19	19	29	19	16	13	19	32	33	42	36	26	25
7	23	40	25	25	17	18	17	14	15	15	14	14	15	13	12	11	12	10	11	13	13	12	12	17	
8	12	11	11	13	11	11	13	14	15	16	17	17	11	14	17	17	18	20	20	19	17	17	16	15	15
9	13	13	13	11	13	14	14	25	17	13	11	9	12	14	14	16	17	19	21	20	19	20	20	22	16
10	40	34	21	18	12	11	9	9	14	14	14	14	14	14	14	14	14	15	14	14	18	22	23	26	17
11	24	24	23	22	30	26	19	28	21	16	64	72	86	31	33	32	24	14	10	8	13	9	9	10	27
12	7	9	9	6	5	6	5	8	5	5	5	6	7	7	8	7	8	7	9	11	12	13	14	10	8
13	7	10	12	10	11	17	14	13	15	16	17	17	15	21	19	14	14	14	18	27	48	43	14	17	18
14	41	32	23	22	23	21	19	23	32	35	34	24	41	37	33	22	137	56	15	16	18	25	31	27	33
15	16	11	10	11	11	11	13	25	32	35	26	16	17	14	13	-	-	15	11	17	21	23	20	17	
16	15	15	14	14	16	17	20	21	24	25	28	28	29	29	34	36	30	27	22	22	24	28	29	30	24
17	31	28	25	18	17	14	15	72	44	31	35	28	26	30	37	41	48	22	18	22	19	21	21	23	29
18	21	24	26	29	28	30	27	35	35	28	26	28	28	26	26	26	28	22	17	17	16	13	13	12	24
19	13	12	10	11	10	11	10	12	8	9	9	12	14	13	12	14	14	13	14	13	12	10	8	8	11
20	10	10	9	8	10	12	9	9	9	9	5	5	8	8	8	8	8	11	12	12	11	13	10	11	10
21	10	10	10	11	11	9	9	24	14	17	17	19	15	16	18	16	21	22	25	26	26	23	17	15	17
22	15	15	14	11	11	13	17	29	24	24	22	21	19	21	23	21	24	16	11	11	13	13	13	14	17
23	15	16	14	10	9	8	11	15	13	12	13	10	13	13	14	15	15	13	9	10	10	10	10	11	12
24	8	8	8	9	9	9	11	15	16	14	11	10	12	19	20	18	91	32	13	19	26	14	13	12	17
25	11	11	11	11	11	9	10	12	14	15	13	17	19	19	20	39	74	40	44	26	24	25	25	19	22
26	18	19	22	23	21	15	15	17	17	17	15	16	17	15	14	19	16	14	16	15	19	15	16	13	17
27	14	12	12	13	23	12	13	20	14	14	15	16	13	11	11	12	21	22	15	17	18	20	18	19	16
28	19	14	15	15	15	14	14	19	16	15	15	14	14	15	16	17	19	18	15	16	21	22	21	22	17
29	20	21	19	20	14	14	19	27	28	26	22	19	18	12	16	16	-	14	14	13	15	20	19	19	18
30	28	17	15	19	20	17	33	77	40	21	21	21	16	16	15	16	42	27	48	20	20	16	15	13	25
31	13	13	15	12	14	10	12	14	12	16	21	20	15	16	21	17	45	23	28	19	15	18	16	18	18
MEAN	18	18	16	16	16	16	17	23	20	19	20	19	20	18	19	19	30	20	18	17	20	20	18	17	18.9

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP												UNITS - PARTS/BILLION													
STATION - NMP NO 22906 SANDUSK RD BTWN WALPOLE CONC 4/5.SANDUSK												MONTH - AUG 80													
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	14	14	14	18	21	19	48	26	18	18	19	18	18	20	23	21	17	18	24	19	17	16	17	15	20
2	14	11	11	11	12	16	15	18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	14	12	11	12	17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	9	8	8	9	9	12	30	17	17	-	10	9	11	11	12	15	12	12	15	12	14	12	11	12	*****
14	-	-	-	-	-	-	-	-	-	-	-	12	17	17	20	25	15	-	-	-	-	-	-	-	-
15	-	-	-	-	-	-	-	-	-	-	-	15	12	11	16	22	23	16	15	15	14	12	14	14	-
16	9	8	7	7	6	8	10	8	8	8	9	8	9	9	8	7	18	20	11	14	16	23	29	19	12
17	18	20	12	11	11	12	15	16	14	11	9	7	6	6	8	7	7	7	11	8	8	12	14	8	11
18	7	9	9	9	14	18	34	16	16	19	17	21	21	22	27	24	14	15	16	15	16	12	12	9	16
19	11	12	12	12	12	-	-	-	-	-	-	-	-	-	-	26	20	20	20	17	17	14	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22	12	12	14	15	19	23	42	21	20	19	23	15	21	40	19	24	21	22	23	14	15	19	20	23	21
23	19	18	17	17	19	19	14	18	18	14	10	10	14	15	17	17	15	17	21	19	21	27	30	27	18
24	25	23	21	26	14	17	27	28	24	16	17	19	12	14	15	19	16	26	33	23	50	41	27	30	23
25	36	34	30	19	21	32	27	22	15	19	15	19	19	20	21	28	21	18	19	23	19	11	12	12	21
26	10	14	10	10	26	28	50	20	16	15	16	16	-	-	-	-	-	-	-	-	-	-	-	-	-
27	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
29	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
30	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
31	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	15	15	14	14	15	19	28	19	17	16	15	15	15	17	17	19	16	17	18	16	18	18	18	16	16.8

PERCENTAGE OF DATA VALID - 42.7

PERCENTAGE OF DATA INVALID - 17.1

PERCENTAGE OF DATA UNAVAILABLE - 40.2

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22906

SANDUSK RD BTWN WALPOLE CONC 4/5.SANDUSK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	18.9	33	137
FEB	29	16.2	28	108
MAR	22	14.7	26	59
APR	30	16.3	28	74
MAY	27	19.1	29	77
JUN	22	19.5	34	85
JUL	1	19.2	18	42
AUG	8	16.8	23	50
SEP		DATA UNAVAILABLE		
OCT		DATA UNAVAILABLE		
NOV		DATA UNAVAILABLE		
YEAR	170	17.4	34	137

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22906

SANDUSK RD BTWN WALPOLE CONC 4/5.SANDUSK

MONTH	00 TO 50	51 TO 100	101 TO 200	201 TO 300	301 TO 400	401 TO 500	501 & OVER	TOTAL
JAN	729	11	1	0	0	0	0	741
FEB	678	8	1	0	0	0	0	687
MAR	538	2	0	0	0	0	0	540
APR	707	6	0	0	0	0	0	713
MAY	656	14	0	0	0	0	0	670
JUN	527	12	0	0	0	0	0	539
JUL	33	0	0	0	0	0	0	33
AUG	318	0	0	0	0	0	0	318
SEP	DATA UNAVAILABLE							
OCT	DATA UNAVAILABLE							
NOV	DATA UNAVAILABLE							
YEAR	4186	53	2	0	0	0	0	4241

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
72.4	4	8.2	11.5	14.6	18.8	27.9	34.2	43.9	54.3	137	17.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029

TRAILER EDNA/FREDERICK ST

KITCHENER

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	11	11	11	6	5	5	5	5	4	4	4	3	5	3	3	3	3	3	4	6	6	5	5	5
2	5	4	4	3	3	3	3	4	5	6	7	7	9	18	25	24	29	32	18	17	14	12	6	4	11
3	4	4	4	3	3	3	8	10	39	30	19	16	16	-	-	-	25	44	40	30	29	23	13	14	18
4	14	8	5	4	3	6	15	30	36	28	18	-	-	10	13	14	18	21	18	14	10	7	6	7	14
5	7	6	5	4	3	3	5	5	6	9	12	13	13	14	15	16	18	28	31	21	8	9	10	13	11
6	13	34	35	20	18	18	14	13	17	14	14	10	7	5	6	4	5	8	10	9	9	7	6	13	
7	4	4	4	3	3	2	2	2	2	2	2	2	2	2	2	4	4	2	2	2	2	2	2	2	3
8	2	2	2	2	2	2	2	2	2	2	2	-	2	4	5	4	5	4	4	4	3	2	2	2	3
9	2	1	2	2	2	1	2	4	4	4	4	4	1	1	1	2	2	2	2	2	2	2	2	2	2
10	3	9	12	7	8	8	23	35	44	29	21	22	20	19	17	19	23	23	-	19	-	20	22	20	19
11	-	11	7	6	5	3	3	3	3	2	4	4	-	3	3	3	3	3	2	2	2	2	2	2	4
12	2	2	1	1	1	1	1	1	1	1	2	2	1	1	2	2	2	2	2	2	3	3	4	2	4
13	3	4	5	5	4	3	3	-	-	-	-	-	-	-	-	7	8	8	6	6	5	5	4	3	5
14	3	2	2	2	2	2	2	4	5	6	-	5	6	7	11	18	16	33	29	21	16	-	15	10	10
15	6	5	4	4	4	11	26	-	61	-	-	-	-	-	13	15	-	-	-	14	9	7	8	9	9
16	5	2	2	2	3	3	5	9	19	15	16	7	-	9	12	11	16	15	12	11	8	8	8	8	9
17	6	5	4	4	4	6	24	37	42	27	12	11	11	11	11	10	8	6	5	4	3	3	3	3	11
18	3	2	2	2	2	2	3	3	4	5	5	-	-	4	4	5	5	4	4	3	3	3	3	3	3
19	1	1	1	1	0	0	1	1	1	2	2	3	4	4	4	4	3	2	2	2	2	2	1	2	2
20	1	1	1	1	1	0	0	0	0	1	1	2	2	2	2	2	2	2	2	2	2	1	2	2	1
21	1	1	1	0	0	1	1	1	2	2	2	2	4	3	2	2	4	6	22	16	11	4	4	4	4
22	4	4	4	4	2	2	2	2	2	2	-	5	3	3	4	4	4	4	3	2	2	2	2	2	3
23	1	1	0	0	1	1	1	1	2	2	2	2	2	2	2	2	2	3	3	2	2	2	2	2	2
24	2	1	1	1	1	1	2	2	3	3	3	3	3	2	4	5	5	5	5	9	14	13	11	16	26
25	24	26	14	6	6	6	9	18	38	29	23	-	-	28	11	7	8	7	6	7	7	5	4	13	6
26	3	3	3	2	2	1	1	2	2	2	2	3	3	3	3	3	3	3	3	2	2	2	2	2	2
27	2	2	1	1	1	1	1	1	1	3	3	1	2	2	2	2	2	2	2	2	3	3	3	2	2
28	2	1	1	1	1	1	1	2	2	2	2	2	3	3	3	4	5	6	3	3	3	3	3	2	2
29	3	4	3	3	3	4	4	5	9	6	5	7	-	-	3	3	6	10	9	7	6	5	4	4	5
30	2	2	-	-	-	-	3	5	4	4	4	7	-	-	-	-	-	-	-	-	-	-	-	-	5
31	-	-	-	-	-	-	-	-	-	-	-	-	-	10	5	5	4	5	7	6	9	11	11	12	*****
MEAN	5	5	5	4	3	3	6	7	13	9	8	6	6	7	7	7	8	10	9	8	7	6	6	6	6.7

PERCENTAGE OF DATA VALID - 90.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 9.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	6.7	19	81
FEB	21	8.2	26	89
MAR	23	7.6	31	70
APR	28	7.3	20	81
MAY	16	5.0	13	26
JUN	30	4.1	12	48
JUL	31	3.4	10	26
AUG	31	5.8	14	42
SEP	30	7.3	17	51
OCT	31	7.1	26	63
NOV	12	4.7	15	43
YEAR	281	6.1	31	89

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	454	93	82	32	11	3	1	676
FEB	262	146	53	29	12	2	5	509
MAR	352	94	77	22	4	5	8	562
APR	393	138	122	18	4	2	3	680
MAY	325	49	41	9	0	0	0	424
JUN	576	78	43	10	3	1	0	711
JUL	637	77	19	4	0	0	0	737
AUG	468	162	89	10	4	2	0	735
SEP	424	146	91	39	10	3	2	715
OCT	498	86	81	45	20	3	5	738
NOV	221	28	21	9	4	1	0	284
YEAR	4610	1097	719	227	72	22	24	6771

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	CONCENTRATIONS DISTRIBUTION, PERCENT 70	90	95	98	99	MAX	ARITH MEAN
84.2	0	0.7	1.8	3.0	5.4	14.1	20.1	28.0	35.9	89	6.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.6	7	17
FEB	29	4.6	11	36
MAR	29	3.5	7	17
APR	28	2.7	5	14
MAY	30	2.8	9	44
JUN	26	2.3	5	21
JUL	31	2.2	4	12
AUG	30	2.3	5	17
SEP	30	2.5	6	20
OCT	15	3.5	11	39
YEAR	279	3.0	11	44

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	00 TO 05	05 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	634	88	11	0	0	0	0	733
FEB	530	127	24	1	1	0	0	683
MAR	614	80	9	0	0	0	0	703
APR	605	53	4	0	0	0	0	662
MAY	665	42	8	0	2	1	0	718
JUN	614	13	7	1	0	0	0	635
JUL	697	30	2	0	0	0	0	729
AUG	676	22	6	0	0	0	0	704
SEP	645	43	15	0	0	0	0	703
OCT	318	51	14	4	2	0	0	389
YEAR	5998	549	100	6	5	1	0	6659

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.0	0	0.3	1.1	1.9	2.9	5.0	6.7	9.4	12.3	44	3.0

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	8.8	17	40
FEB	29	10.5	19	55
MAR	31	7.8	17	37
APR	30	6.6	16	37
MAY	30	8.7	21	41
JUN	29	9.0	19	45
JUL	31	10.9	18	39
AUG	30	9.3	16	34
SEP	30	10.0	20	46
OCT	21	10.5	19	43
NOV	22	10.7	18	33
DEC	30	9.8	17	43
YEAR	344	9.3	21	55

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	293	169	218	48	5	0	0	733
FEB	226	156	213	70	13	2	1	681
MAR	389	107	174	56	8	0	0	734
APR	409	103	141	40	4	0	0	697
MAY	332	136	171	70	10	1	0	720
JUN	281	110	201	52	2	1	0	647
JUL	252	107	277	92	3	0	0	731
AUG	308	104	237	64	2	0	0	715
SEP	264	133	232	76	5	3	0	713
OCT	149	116	180	46	5	1	0	497
NOV	146	128	201	45	4	0	0	524
DEC	221	204	209	46	12	2	0	694
YEAR	3270	1573	2454	705	73	10	1	8086

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.1	0	0.1	2.5	7.3	12.8	19.9	23.7	27.4	30.2	55	9.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	4.7	12	32
FEB	29	4.9	12	27
MAR	30	4.9	9	33
APR	30	5.2	8	18
MAY	23	5.4	11	31
JUN	27	4.2	11	24
JUL	31	3.8	7	18
AUG	31	3.2	6	20
SEP	30	5.1	12	32
OCT	16	5.4	11	34
YEAR	274	4.6	12	34

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	464	154	37	4	1	0	0	660
FEB	469	163	51	2	0	0	0	685
MAR	473	209	38	3	1	0	0	724
APR	412	246	46	0	0	0	0	704
MAY	363	129	64	6	1	0	0	563
JUN	472	125	32	4	0	0	0	633
JUL	579	134	21	0	0	0	0	734
AUG	620	89	16	0	0	0	0	725
SEP	461	165	71	7	2	0	0	706
OCT	242	93	37	5	2	0	0	379
YEAR	4555	1507	413	31	7	0	0	6513

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
89.0	0	0.4	1.9	3.3	5.0	8.7	11.2	15.2	18.0	34	4.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.7	7	22
FEB	28	4.5	10	17
MAR	27	4.4	10	26
APR	30	4.1	8	18
MAY	29	4.5	13	29
JUN	30	4.6	10	24
JUL	31	4.6	10	23
AUG	31	3.7	12	34
SEP	30	3.9	11	24
OCT	30	4.2	10	23
NOV	29	4.7	12	31
DEC	31	6.4	12	36
YEAR	357	4.4	13	36

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	612	103	15	1	0	0	0	731
FEB	465	151	25	0	0	0	0	641
MAR	458	160	36	2	0	0	0	656
APR	535	149	22	0	0	0	0	706
MAY	519	137	40	9	0	0	0	705
JUN	505	140	60	6	0	0	0	711
JUL	522	160	50	2	0	0	0	734
AUG	600	100	17	5	1	0	0	723
SEP	578	112	20	6	0	0	0	716
OCT	543	141	33	1	0	0	0	718
NOV	508	120	60	3	1	0	0	692
DEC	400	201	90	20	1	0	0	712
YEAR	6245	1674	468	55	3	0	0	8445

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	CONCENTRATIONS DISTRIBUTION, 70	90	PERCENT 95	98	99	MAX	ARITH MEAN
96.1	0	0.6	1.8	3.0	4.6	8.3	10.9	14.8	18.0	36	4.4

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	5.5	14	38
FEB	23	5.6	15	37
MAR	26	6.1	21	72
APR	30	5.9	12	32
MAY	31	6.4	16	49
JUN	30	6.6	16	62
JUL	26	6.8	14	46
AUG	31	6.0	18	51
SEP	30	6.6	22	83
OCT	30	6.6	15	35
NOV	30	7.4	18	45
DEC	31	8.8	17	50
YEAR	348	6.5	22	83

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO 55 SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	444	191	59	5	5	0	0	704
FEB	369	134	49	10	3	0	0	565
MAR	410	149	75	16	4	1	2	657
APR	395	222	83	11	1	0	0	712
MAY	437	151	120	21	4	3	0	736
JUN	380	205	103	17	6	0	2	713
JUL	329	193	103	12	3	2	0	642
AUG	425	211	74	8	6	0	2	726
SEP	379	236	77	14	3	2	3	714
OCT	360	221	110	13	3	0	0	707
NOV	363	194	107	30	13	2	0	709
DEC	321	191	152	39	16	6	0	725
YEAR	4612	2298	1112	196	67	16	9	8310

FREQUENCY DISTRIBUTION BY PERCENTILES

DISTRIBUTION BY PERCENTILES				CONCENTRATIONS							MAX	ARITH MEAN
PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	DISTRIBUTION, 70	PERCENT 90	95	98	99			
94.6	0	0.9	2.4	4.4	6.9	12.9	17.4	25.3	30.7	83	6.5	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	5.0	16	43
FEB	29	5.6	11	29
MAR	28	4.6	11	33
APR	24	4.7	9	22
MAY	28	5.5	13	48
JUN	30	6.4	13	33
JUL	31	6.1	12	29
AUG	31	4.9	16	68
SEP	30	5.7	16	47
OCT	23	6.5	15	37
NOV	30	7.9	24	64
DEC	26	8.0	15	50
YEAR	341	5.9	24	68

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	491	164	67	7	5	1	0	735
FEB	395	205	62	9	0	0	0	671
MAR	492	144	48	5	2	0	0	691
APR	378	149	52	2	0	0	0	581
MAY	430	163	61	10	1	2	0	667
JUN	360	252	77	19	2	0	0	710
JUL	393	262	68	10	0	0	0	733
AUG	480	209	30	5	4	0	1	729
SEP	457	188	56	10	2	2	0	715
OCT	291	221	68	13	4	0	0	597
NOV	317	247	108	21	6	4	6	709
DEC	290	191	125	25	14	1	0	646
YEAR	4774	2395	822	136	40	10	7	8184

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
93.2	0	0.7	2.4	4.2	6.3	11.0	14.6	21.3	25.8	68	5.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - NOV 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	2	2	3	2	1	1	1	1	2	2	1	2	2	2	4	3	4	4	2
2	4	3	3	4	3	2	4	4	3	3	2	2	0	0	2	2	2	3	12	13	14	20	23	28	7
3	30	25	24	14	6	4	5	7	5	4	4	5	5	5	8	9	9	21	15	24	11	7	5	5	11
4	5	4	3	3	3	3	3	4	4	3	-	-	4	4	4	4	4	5	4	5	4	3	5	3	4
5	3	3	3	2	2	2	2	3	4	3	1	1	1	1	1	1	3	3	4	5	7	7	6	5	3
6	6	5	5	4	4	5	4	7	6	4	4	4	5	3	3	3	3	4	3	3	4	3	5	4	4
7	5	5	4	4	4	4	4	8	12	8	5	5	7	10	10	-	12	13	25	29	9	4	3	3	8
8	3	2	2	2	2	2	3	2	3	3	2	2	2	2	3	3	4	10	13	8	5	2	2	3	4
9	4	4	4	4	2	4	3	3	5	8	7	4	2	2	2	2	2	3	4	4	4	2	3	2	4
10	2	2	1	1	1	1	2	3	3	2	1	2	2	2	-	2	2	2	2	2	2	2	2	2	2
11	2	2	2	2	2	2	2	2	3	2	2	2	1	2	2	2	3	3	2	2	2	3	3	2	2
12	2	2	2	2	2	2	2	4	5	3	2	2	2	2	2	2	4	10	17	23	19	13	13	14	6
13	19	21	24	11	7	6	6	7	7	9	8	9	-	-	-	-	-	-	-	-	-	-	-	-
14																									
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30																									
MEAN	7	6	6	4	3	3	3	4	5	4	3	3	3	3	4	3	4	7	9	10	7	6	6	6	4.9

PERCENTAGE OF DATA VALID - 41.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 58.9

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	4.3	15	41
FEB	27	4.1	11	26
MAR	28	3.5	8	27
APR	30	3.5	8	21
MAY	31	4.5	9	53
JUN	30	4.8	10	27
JUL	30	4.8	11	29
AUG	31	4.0	16	36
SEP	30	5.5	15	46
OCT	31	5.1	12	38
NOV	12	4.9	11	30
YEAR	310	4.4	16	53

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	562	107	30	10	4	1	0	714
FEB	505	99	38	7	0	0	0	649
MAR	567	79	37	3	0	0	0	686
APR	574	101	30	2	0	0	0	707
MAY	541	107	63	5	0	0	1	717
JUN	487	158	52	8	0	0	0	705
JUL	503	127	69	11	0	0	0	710
AUG	570	118	20	9	2	0	0	719
SEP	472	136	86	9	2	1	0	706
OCT	516	137	68	6	2	0	0	729
NOV	235	31	18	12	0	0	0	296
YEAR	5532	1200	511	82	10	2	1	7338

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
91.3	0	0.3	1.6	2.7	4.4	9.0	12.8	17.6	21.2	53	4.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	18	16	11	8	5	4	3	2	2	1	1	9	8	7	14	21	23	16	12	3	4	3	11	13	9
2	7	3	1	1	1	1	3	6	5	3	3	-	3	3	1	3	4	6	7	6	5	5	5	5	4
3	5	3	2	3	5	6	5	7	9	7	4	1	1	2	1	1	3	4	7	9	7	7	7	6	5
4	6	5	4	4	4	4	4	7	19	44	37	32	27	25	30	36	35	36	31	24	24	20	17	14	20
5	11	7	9	8	-	5	5	5	5	9	7	3	2	1	2	4	6	10	13	17	14	8	7	7	7
6	8	14	12	9	9	14	11	13	22	21	14	23	24	21	23	24	24	24	23	20	19	15	12	11	17
7	7	6	6	4	4	5	15	24	19	6	6	6	5	5	-	6	9	9	7	6	5	4	2	2	7
8	2	2	2	2	3	4	4	16	19	8	5	3	4	6	4	4	14	21	17	10	4	4	4	3	7
9	2	2	3	3	4	4	7	23	24	23	13	8	3	2	1	1	3	5	5	4	4	6	10	7	7
10	16	9	9	7	7	10	12	17	34	45	46	35	31	35	-	34	41	34	28	24	23	22	20	18	24
11	15	12	9	8	8	9	15	28	30	25	19	21	22	21	23	34	28	21	3	2	2	2	1	1	15
12	0	0	0	0	1	1	1	2	2	4	2	1	1	1	1	1	1	3	7	6	5	6	8	11	3
13	11	12	8	11	12	11	7	5	5	8	7	12	12	20	21	20	21	24	26	30	23	21	16	14	15
14	6	4	3	3	6	9	21	35	41	31	19	12	6	3	-	-	5	7	4	4	4	5	4	7	11
15	21	10	5	3	3	1	3	8	12	10	24	36	29	28	37	49	58	72	63	48	25	19	17	15	25
16	13	12	9	7	7	9	24	44	39	33	23	21	19	18	20	24	28	-	18	14	11	10	11	12	19
17	9	7	4	4	6	10	27	54	58	62	57	55	47	43	42	48	60	47	42	38	16	12	13	10	32
18	7	6	6	6	8	9	24	40	43	36	-	32	31	32	19	13	6	8	11	5	4	4	2	5	16
19	2	3	2	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	3	2	1	4
21	3	3	1	0	0	1	1	4	4	4	1	-	1	1	1	4	4	6	5	11	22	30	23	18	6
22	13	10	7	8	7	6	16	29	35	26	27	23	19	12	13	18	29	27	17	13	9	6	8	7	16
23	3	2	0	0	0	0	1	3	3	1	1	1	1	1	-	1	1	2	2	2	1	1	1	0	1
24	0	1	1	0	0	1	2	4	4	2	1	-	2	1	1	2	3	4	3	4	7	11	11	9	3
25	6	4	4	5	5	6	7	18	51	24	22	13	13	5	5	3	4	14	6	5	4	7	4	4	10
26	6	4	2	1	0	0	1	1	2	1	1	1	1	1	1	1	1	3	3	5	5	4	2	2	2
27	6	3	1	1	1	0	0	1	1	1	2	5	4	3	7	21	19	19	5	4	2	2	2	2	5
28	2	2	2	3	4	2	3	6	4	3	1	1	1	1	1	2	3	6	4	4	3	6	3	2	3
29	1	1	1	1	1	5	4	5	9	7	4	3	1	1	1	1	2	4	3	2	2	2	2	2	3
30	2	1	1	1	0	1	1	2	4	2	2	1	1	1	1	-	-	3	3	-	1	1	1	1	1
31	1	1	1	1	0	0	1	1	2	1	1	1	1	1	-	1	1	2	2	1	1	1	1	0	1
MEAN	7	5	4	4	4	4	7	13	16	14	12	13	10	10	10	13	15	15	12	11	8	8	7	7	9.6

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 34007 BATHURST/WILSON, NORTH YORK												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	9	6	6	6	6	7	26	25	26	14	8	-	2	2	4	4	12	12	19	48	37	52	46	45	18
2	29	11	5	6	6	8	25	51	58	55	37	34	34	41	38	42	41	26	24	15	1	0	0	0	24
3	0	0	0	0	0	-	0	0	0	0	0	0	1	-	0	2	1	3	3	1	1	1	1	1	1
4	1	1	-	1	0	0	1	3	6	6	20	27	11	3	2	3	6	8	9	8	8	-	7	8	6
5	5	4	4	2	2	8	21	23	37	57	43	39	36	41	36	54	61	72	51	36	43	41	31	28	32
6	23	-	41	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	*****
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4	-	-	2	2	1	0	1	1	*****
11	1	0	1	1	3	11	31	58	55	24	9	13	8	11	9	10	13	13	12	13	-	-	-	13	15
12	8	5	5	5	6	6	37	54	-	47	45	34	32	47	55	40	25	32	27	20	13	3	4	3	24
13	2	6	5	4	3	0	1	1	1	2	2	2	2	2	2	3	3	4	7	18	28	17	11	13	6
14	6	4	4	2	1	1	1	1	0	0	2	0	0	0	0	1	1	3	4	18	11	15	19	11	4
15	6	4	3	2	4	8	25	22	25	17	6	4	7	32	46	42	50	46	-	11	13	18	13	10	18
16	7	3	2	3	5	5	5	-	-	-	4	4	3	2	2	2	3	7	7	5	3	2	2	1	4
17	1	2	3	2	1	1	2	7	11	16	24	26	41	43	45	46	50	45	43	31	-	21	17	9	21
18	9	5	2	2	4	4	5	4	4	4	2	-	3	3	4	11	15	14	8	9	7	-	-	-	6
19	1	2	2	0	0	0	1	1	4	3	3	3	-	-	2	4	7	9	10	24	16	10	4	4	5
20	5	4	3	2	2	2	5	12	17	-	-	32	-	-	-	6	-	-	8	14	10	5	8	-	8
21	10	-	-	-	-	-	-	-	-	-	40	-	-	-	38	-	-	-	-	12	12	5	7	-	*****
22	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
24	12	12	9	9	8	8	15	16	6	3	2	2	2	2	2	28	19	19	-	19	13	13	13	12	*****
25	1	2	2	2	3	5	4	3	2	8	8	11	11	12	17	12	16	15	19	15	5	6	10	15	9
26	11	7	5	3	2	3	5	6	7	8	13	12	13	19	18	20	22	16	10	12	14	11	7	8	11
27	8	10	8	14	22	18	29	28	31	21	24	20	26	29	33	10	10	12	35	40	25	46	39	36	24
28	44	63	59	35	19	17	15	19	39	29	27	18	16	20	21	24	16	25	41	39	35	29	34	31	30
29	18	13	10	11	14	10	16	13	18	16	-	-	8	8	9	8	9	8	7	4	4	3	3	1	10
30	1	0	0	0	0	0	1	2	4	2	2	3	2	2	2	3	6	6	5	6	6	5	5	6	3
31	5	3	3	3	2	5	21	26	32	25	27	30	31	28	26	34	33	23	21	21	18	13	9	-	19
MEAN	9	7	8	5	5	6	13	17	18	17	16	16	15	18	18	17	18	18	16	17	14	14	12	12	13.5

PERCENTAGE OF DATA VALID - 73.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 26.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007

BATHURST/WILSON, NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	9.6	32	72
FEB	29	7.1	28	51
MAR	31	12.5	36	75
APR	29	15.6	30	64
MAY	31	11.3	30	83
JUN	16	10.2	27	61
JUL	17	9.9	30	55
AUG	19	12.1	26	59
SEP	2	24.3	34	81
OCT	30	14.1	38	87
NOV	30	12.8	33	70
DEC	23	13.5	32	72
YEAR	288	11.9	38	87

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	396	120	95	67	26	15	10	729
FEB	461	65	70	42	24	7	2	671
MAR	337	98	125	80	51	22	16	729
APR	266	82	106	108	88	31	12	693
MAY	379	95	94	81	56	10	14	729
JUN	224	39	54	52	18	7	4	398
JUL	223	40	76	49	20	4	2	414
AUG	207	47	72	73	31	7	3	440
SEP	14	4	2	18	17	2	4	61
OCT	307	104	95	78	50	32	29	695
NOV	325	79	125	77	52	25	15	698
DEC	228	90	98	50	40	28	15	549
YEAR	3367	863	1012	775	473	190	128	6806

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID

MIN

10

30

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH
MEAN

77.5 0 0.3 1.9 5.2 15.1 31.7 39.3 49.0 54.7 87 11.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	8	6	7	6	4	1	1	0	1	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2
2	1	1	1	1	1	2	4	5	5	4	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2
3	1	1	0	0	0	1	1	3	3	1	1	0	1	0	0	1	1	2	3	3	3	5	4	4	2
4	4	4	3	3	3	4	5	11	12	11	7	5	4	-	3	3	6	7	3	3	3	3	3	2	5
5	2	2	2	1	-	2	2	5	5	4	3	3	3	1	1	1	2	5	5	3	3	3	3	6	3
6	9	10	9	6	5	6	8	9	7	7	8	8	13	3	1	1	2	4	2	2	2	1	2	2	5
7	2	2	1	1	1	2	1	1	0	1	-	1	1	1	1	1	1	1	1	1	1	1	0	1	1
8	1	1	0	0	0	0	1	1	1	1	-	0	-	-	1	1	1	1	1	1	1	1	1	1	1
9	0	1	1	1	1	1	1	1	1	1	-	1	0	0	0	1	2	2	1	2	1	1	2	1	1
10	1	1	1	3	2	3	7	8	20	8	6	7	3	2	1	2	2	2	1	1	1	2	3	3	4
11	3	2	2	2	2	2	2	2	3	1	1	1	1	-	1	1	2	1	1	1	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	1	1	1	1	1	1	1	0	0
13	1	1	3	2	2	5	4	1	1	1	1	1	1	3	2	2	4	5	5	7	5	4	3	2	3
14	2	2	3	3	1	1	3	4	5	3	4	5	4	4	4	4	5	8	9	4	4	4	5	6	4
15	3	3	6	7	7	7	12	22	39	25	15	5	6	-	4	3	8	9	14	7	3	2	2	2	9
16	2	2	2	1	1	1	3	5	6	5	4	4	4	3	3	3	5	-	5	4	3	3	2	2	3
17	2	2	2	2	3	4	6	10	23	22	16	10	9	9	8	8	10	11	12	10	2	2	2	2	8
18	1	1	1	1	1	1	2	3	5	3	3	2	2	2	2	4	4	5	3	2	2	2	1	1	2
19	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1
20	1	0	1	0	1	0	0	1	0	0	0	0	0	0	0	0	1	3	3	3	4	2	1	1	1
21	1	1	1	0	0	1	2	4	5	3	1	1	1	1	1	1	2	2	2	7	9	9	4	3	3
22	2	2	1	1	1	1	1	2	3	3	3	2	1	-	-	3	3	3	1	1	1	1	1	1	2
23	1	1	1	1	1	1	1	3	3	1	1	0	0	1	1	1	1	2	2	2	2	1	1	1	1
24	1	1	1	1	1	1	2	4	5	3	1	1	1	1	1	1	1	2	3	5	4	5	7	8	3
25	6	8	12	13	11	6	5	9	10	5	6	7	3	-	2	2	2	3	6	4	6	6	4	2	6
26	2	2	1	1	0	0	1	1	1	1	0	0	0	0	1	1	1	2	2	3	2	2	2	1	1
27	1	1	1	0	0	1	1	1	1	1	0	0	1	1	1	1	2	1	1	1	2	2	1	1	1
28	2	2	1	1	1	1	1	3	3	2	1	1	1	1	1	1	1	3	4	2	2	2	2	2	2
29	1	1	2	1	1	2	3	6	7	5	3	1	1	-	-	2	2	2	6	5	1	1	2	2	3
30	4	4	2	1	0	0	1	2	3	1	1	1	1	1	1	-	-	2	2	-	2	1	1	1	2
31	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1
MEAN	2	2	2	2	2	2	3	4	6	4	3	2	2	2	2	2	3	3	3	3	2	2	2	2	2.6

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.0

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	4	8	8	5	2	1	1	1	1	11	19	15	20	22	13	9	9	7
2	5	3	1	2	2	2	3	8	10	14	9	5	4	-	6	4	3	2	1	1	0	0	0	0	4
3	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	1
4	2	1	1	1	1	1	5	9	15	17	11	10	11	12	11	7	10	12	16	23	24	-	23	23	11
5	20	13	10	5	4	3	8	21	27	22	15	5	-	-	7	9	12	15	23	31	36	59	60	53	21
6	53	43	34	22	14	13	14	21	31	17	12	14	8	4	5	6	6	6	6	7	6	13	10	11	16
7	13	15	13	9	6	8	6	6	6	10	17	17	12	12	17	28	34	21	21	21	22	25	16	12	15
8	9	7	6	14	16	12	17	25	36	34	27	3	1	2	3	5	5	3	2	2	1	1	1	1	10
9	1	0	0	0	1	1	3	8	10	7	3	2	1	-	4	6	8	7	9	9	-	-	2	2	4
10	3	3	1	1	1	1	1	2	3	3	1	1	1	1	1	1	-	-	1	1	1	1	2	2	2
11	2	3	2	1	2	2	3	5	10	6	3	1	1	1	1	1	2	2	2	1	-	-	-	1	2
12	1	1	1	1	1	2	3	4	5	4	5	4	4	6	-	10	14	14	4	3	3	3	2	3	4
13	2	1	1	1	1	0	0	1	1	1	1	0	1	1	1	1	2	4	2	2	2	2	2	0	1
14	1	1	1	0	0	0	0	0	1	0	0	1	0	0	0	1	3	6	5	5	4	2	1	0	1
15	0	0	0	0	0	1	1	2	5	8	7	9	10	10	5	10	24	30	-	13	12	13	15	16	8
16	13	9	4	5	5	5	6	11	7	9	5	4	4	-	3	3	3	5	3	3	4	1	1	1	5
17	1	1	1	1	1	1	3	6	5	4	4	7	7	9	11	7	6	2	2	3	-	2	2	2	4
18	1	1	1	1	1	1	2	3	3	3	3	3	1	2	3	3	2	2	1	1	1	-	-	-	2
19	1	1	1	1	0	1	1	2	3	3	1	1	-	-	1	3	5	8	7	5	4	2	2	2	3
20	2	1	1	1	1	1	1	1	6	8	7	6	1	1	1	2	2	2	7	4	2	1	1	1	3
21	1	1	1	0	0	0	0	0	1	1	1	0	0	0	1	1	1	1	2	1	2	2	2	2	1
22	1	2	3	2	3	3	3	4	15	12	8	4	4	5	9	8	7	7	7	2	4	5	7	8	6
23	6	5	6	6	8	7	7	9	11	10	5	4	4	-	2	4	4	-	3	3	5	4	4	6	6
24	4	4	4	3	3	3	4	5	6	1	1	1	1	0	0	0	1	0	0	0	0	0	0	0	2
25	0	0	0	0	1	1	1	1	1	1	0	2	0	1	0	1	2	2	2	3	3	2	2	2	1
26	2	1	1	0	0	0	1	1	0	0	1	1	1	1	1	1	2	2	11	18	2	2	5	8	3
27	12	9	17	19	15	14	13	20	26	19	12	12	12	10	7	9	13	13	12	18	36	45	36	37	18
28	31	22	18	15	11	10	11	17	17	10	8	3	3	3	3	4	3	5	9	11	11	11	8	6	10
29	4	4	5	6	8	9	11	10	10	17	17	18	14	9	8	9	11	11	7	7	4	4	3	2	9
30	1	0	0	0	0	0	1	1	2	1	1	3	3	-	-	3	5	4	5	6	5	7	9	10	3
31	7	7	2	2	2	2	4	5	7	7	5	4	3	3	4	4	6	6	6	5	4	4	2	-	4
MEAN	6	5	4	4	4	3	4	7	9	8	6	5	4	4	4	5	7	7	7	7	8	8	8	8	6.0

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 3.6

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.6	9	39
FEB	29	3.2	11	47
MAR	31	3.2	12	47
APR	21	3.7	10	26
MAY	31	3.3	8	35
JUN	28	3.3	9	30
JUL	27	3.3	6	22
AUG	28	3.3	7	37
SEP	30	4.1	13	44
OCT	29	3.9	16	72
NOV	29	3.9	16	73
DEC	31	6.0	21	60
YEAR	345	3.7	21	73

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	645	65	14	4	1	0	0	729
FEB	555	79	22	8	3	1	0	668
MAR	609	82	35	3	2	1	0	732
APR	464	81	38	2	0	0	0	585
MAY	594	87	38	4	2	0	0	725
JUN	556	65	30	8	0	0	0	659
JUL	560	87	30	2	0	0	0	679
AUG	566	81	23	3	4	0	0	677
SEP	530	110	39	14	6	1	0	700
OCT	564	80	46	5	5	3	1	704
NOV	565	54	43	14	5	2	1	684
DEC	471	119	87	23	11	2	4	717
YEAR	6679	990	445	90	39	10	6	8259

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.0	0	0.0	0.6	1.5	3.2	8.2	12.3	18.9	24.8	73	3.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE, ETOBICOKE

MONTH - JAN 80

STATION	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	17	19	23	23	19	19	11	8	6	5	3	5	6	2	4	4	4	4	5	5	7	6	4	3	9
2	4	5	4	3	3	4	12	20	21	17	16	15	13	12	12	13	17	13	12	9	7	7	8	10	11
3	6	4	3	2	2	3	10	18	18	16	12	11	10	10	11	13	17	20	16	13	13	12	13	16	11
4	13	10	7	6	4	6	13	21	28	25	17	18	12	7	8	16	18	6	6	11	12	13	11	9	12
5	7	6	4	4	-	4	7	11	12	10	10	9	9	10	10	13	15	13	18	18	13	11	15	21	11
6	20	19	14	10	9	8	9	11	12	18	16	11	8	4	4	4	5	8	9	7	4	4	4	5	9
7	6	4	2	2	2	4	9	8	3	4	4	-	3	4	3	3	3	3	2	2	3	3	3	4	4
8	3	2	2	2	2	3	7	6	8	8	6	7	6	7	7	7	6	4	4	4	7	5	4	3	5
9	4	3	2	2	2	4	3	5	7	8	8	6	6	9	9	13	13	12	8	11	10	9	9	7	7
10	8	6	6	6	6	9	20	32	37	16	11	8	8	8	6	6	6	5	4	4	4	5	8	7	10
11	6	5	5	4	4	6	7	11	9	6	6	5	6	6	6	11	9	7	7	5	3	2	3	3	6
12	2	2	2	1	1	1	2	2	2	2	2	3	4	5	5	6	7	7	7	4	2	3	4	2	3
13	4	6	9	11	11	11	2	2	4	4	4	4	4	5	5	4	5	7	8	4	4	4	4	2	5
14	2	2	2	2	4	5	5	8	10	10	10	10	14	18	22	28	25	23	14	14	17	19	15	13	13
15	12	10	8	8	8	10	20	40	58	48	24	9	5	5	5	6	9	10	6	5	2	2	2	2	13
16	2	2	1	1	1	3	4	5	3	3	3	3	3	4	-	5	4	-	2	2	2	2	4	4	3
17	5	4	3	4	4	5	9	23	38	26	10	10	8	8	8	9	9	8	9	13	13	6	4	4	10
18	4	4	4	3	3	4	6	9	9	8	8	8	8	8	8	14	19	10	8	11	13	12	6	3	8
19	4	3	5	2	1	1	3	4	7	9	8	8	8	8	8	9	13	12	12	11	8	4	5	5	7
20	5	5	3	2	1	1	2	2	2	3	3	5	6	7	8	8	9	10	12	11	12	8	5	2	6
21	2	2	2	2	2	4	9	18	20	15	14	13	11	14	8	8	8	7	8	10	12	10	10	9	9
22	6	6	4	3	2	2	4	6	6	7	6	8	7	6	6	5	5	6	4	4	2	2	2	5	5
23	2	2	1	1	1	1	5	13	14	9	8	7	5	6	7	8	11	10	9	9	7	6	6	6	6
24	4	2	1	1	1	2	7	18	19	13	9	5	5	6	11	12	12	14	14	13	10	12	14	16	9
25	14	13	13	11	11	9	17	26	23	15	12	11	11	14	14	13	12	9	13	16	16	15	11	6	14
26	5	5	2	1	2	2	2	6	5	7	7	8	9	10	10	9	11	14	15	13	11	8	7	7	4
27	4	6	4	4	2	2	2	3	4	4	2	2	1	2	2	2	3	2	5	7	6	7	8	7	4
28	6	4	3	3	2	3	9	15	13	10	10	8	8	6	6	7	7	10	13	10	8	6	7	7	8
29	5	3	2	4	4	5	11	20	20	21	14	15	11	11	12	15	13	16	18	15	8	6	8	8	11
30	10	5	5	2	2	2	10	15	18	13	11	11	9	9	11	-	-	-	-	-	-	9	14	9	9
31	5	4	2	2	2	2	7	13	13	13	12	11	9	9	9	10	12	12	10	8	5	5	4	8	8
MEAN	6	6	5	4	4	5	8	13	15	12	9	8	8	8	8	9	10	10	9	9	8	7	7	7	8.1

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE													MONTH - DEC 80												
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	7	6	6	6	7	7	8	15	21	27	22	-	15	12	16	21	30	37	40	36	32	23	21	17	
2	9	7	5	6	5	5	7	9	15	22	24	12	11	13	11	13	11	8	8	9	7	5	4	4	10
3	4	3	3	3	3	3	4	6	7	7	8	8	10	10	10	13	14	14	14	15	11	12	11	11	9
4	9	7	6	4	4	6	14	19	22	25	21	17	13	12	14	14	28	34	35	34	27	-	30	29	18
5	23	15	12	10	9	10	22	39	44	35	-	-	6	7	9	8	10	11	24	45	47	51	60	58	25
6	56	47	39	31	28	25	23	31	31	33	27	8	6	6	6	6	9	9	7	6	6	9	10	10	20
7	10	13	10	8	9	8	9	15	16	8	8	10	12	16	18	31	35	45	50	50	38	34	26	23	21
8	29	48	43	23	14	15	16	21	22	19	21	8	8	9	12	30	27	25	20	18	16	15	15	11	20
9	11	7	5	5	6	9	20	37	41	32	24	21	18	18	17	14	20	21	43	37	-	-	13	14	20
10	18	9	9	8	7	9	12	15	18	15	11	13	15	10	11	13	-	-	14	13	10	10	13	14	12
11	11	11	7	6	7	10	19	29	-	-	8	5	4	4	5	6	9	6	3	3	-	-	-	2	8
12	2	1	2	3	4	4	5	7	10	12	9	7	7	10	16	20	33	44	15	9	9	9	8	9	11
13	9	4	2	2	2	1	4	5	6	9	8	8	7	8	10	12	12	12	14	9	7	4	3	2	7
14	2	2	2	1	1	1	1	1	1	2	3	4	2	3	4	6	6	11	13	8	7	5	4	4	4
15	2	1	1	1	1	2	4	11	18	26	14	20	16	14	23	19	24	43	-	36	31	31	28	27	17
16	25	15	9	6	7	11	24	41	44	24	18	14	14	11	13	16	19	21	18	17	13	9	7	7	17
17	4	4	3	2	2	3	13	22	21	22	21	15	13	10	11	11	10	7	7	8	-	7	7	3	10
18	4	2	2	2	2	2	7	16	17	14	13	13	9	8	10	14	8	6	4	4	5	-	-	-	8
19	5	5	4	2	1	2	7	10	12	15	13	-	-	-	15	17	14	18	19	11	9	9	5	9	10
20	8	7	4	2	2	3	5	9	17	19	21	15	9	10	11	12	11	14	17	17	8	2	2	2	9
21	2	2	2	4	4	4	2	3	3	6	5	4	5	5	6	7	9	9	10	10	10	8	10	10	6
22	7	5	5	5	6	9	13	23	38	37	22	9	10	7	12	11	9	8	5	4	4	5	6	7	11
23	10	8	10	9	10	13	15	20	24	20	14	11	12	9	53	7	8	8	-	7	8	8	10	8	13
24	8	7	7	8	7	6	7	13	23	10	7	7	6	5	5	5	5	5	5	5	4	3	5	6	7
25	3	3	2	2	2	2	4	4	5	6	6	7	8	5	2	8	7	12	14	10	8	8	7	5	6
26	8	4	4	2	2	2	2	2	2	2	2	3	3	3	3	4	4	7	13	18	12	7	11	16	6
27	18	20	22	30	36	38	48	45	52	40	25	16	19	20	24	24	29	31	30	36	34	42	32	57	32
28	65	88	85	66	31	21	21	26	33	25	16	9	5	5	6	7	8	8	9	9	10	9	9	9	24
29	11	9	11	11	11	13	19	27	48	55	39	-	32	32	30	35	44	41	28	24	13	11	11	8	24
30	4	2	1	1	1	2	6	12	14	12	13	15	13	13	15	17	19	20	18	18	17	17	21	15	12
31	13	11	8	7	7	8	11	16	19	19	18	17	16	15	8	9	12	15	15	13	14	10	9	-	13
MEAN	13	12	11	9	8	8	12	18	22	20	15	11	11	10	13	14	16	18	18	17	15	13	14	14	13.8

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 3.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	8.1	14	58
FEB	27	9.0	16	38
MAR	30	7.4	17	64
APR	30	8.1	15	40
MAY	29	9.7	15	53
JUN	28	9.1	16	52
JUL	31	8.5	15	39
AUG	27	11.0	20	33
SEP	27	10.3	25	76
OCT	31	10.7	23	55
NOV	30	11.0	28	56
DEC	31	13.8	32	88
YEAR	352	9.7	32	88

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE. ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	291	244	173	18	4	1	1	732
FEB	219	242	150	36	4	0	0	651
MAR	346	230	111	19	5	2	3	716
APR	250	290	129	19	9	0	0	697
MAY	207	281	162	39	13	2	1	705
JUN	191	299	154	24	11	1	1	681
JUL	246	316	138	24	5	0	0	729
AUG	117	221	259	38	5	0	0	640
SEP	162	275	174	25	13	6	5	660
OCT	201	238	219	48	14	7	2	729
NOV	175	259	192	45	19	8	4	702
DEC	163	217	196	71	40	21	12	720
YEAR	2568	3112	2057	406	142	48	29	8362

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	PERCENT DISTRIBUTION	95	98	99	MAX	ARITH MEAN
95.2	0	2.4	4.9	7.4	10.5	17.8	23.5	32.5	39.5		88	9.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON

MONTH - JUN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
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7																									
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22																									
23																									
24																									
25	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
26	5	6	5	5	5	7	9	8	7	6	5	4	4	5	5	5	5	5	4	5	4	2	11	18	6
27	5	19	7	4	6	4	4	4	2	2	2	1	2	2	2	2	2	3	3	3	3	2	3	4	4
28	5	4	3	3	4	4	4	4	4	4	4	4	3	3	3	2	2	3	3	3	3	3	3	6	4
29	7	6	6	4	4	4	4	4	5	5	5	4	5	5	5	4	4	5	4	6	5	12	5	3	5
30	2	2	2	2	2	2	2	2	2	-	3	2	2	1	1	1	1	1	1	1	3	3	3	2	2
MEAN	5	7	5	4	4	4	5	4	4	4	4	3	5	4	4	3	3	4	3	4	4	5	6	7	4.3

PERCENTAGE OF DATA VALID - 18.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 81.8

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN	5	4.3	6	19
JUL	31	3.8	10	40
AUG	30	3.3	10	40
SEP	30	4.9	11	41
OCT	30	4.3	11	48
NOV	30	4.6	10	39
DEC	0	6.5	****	17
YEAR	156	4.2	11	48

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	DATA UNAVAILABLE							
JUN	105	21	5	0	0	0	0	131
JUL	623	84	27	5	3	0	0	742
AUG	611	73	13	5	3	0	0	705
SEP	523	119	43	14	7	1	0	707
OCT	559	123	39	1	0	1	0	723
NOV	516	137	46	6	6	0	0	711
DEC	5	4	3	0	0	0	0	12
YEAR	2942	561	176	31	19	2	0	3731

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
72.6	0	0.4	1.5	2.5	4.0	7.7	11.1	17.7	22.6	48	4.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 44010 1298 REBECCA ST OAKVILLE												MONTH - MAR 80													
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	4	3	3	2	2	1	1	1	1	1	1	-	2	2	2	2	3	3	3	4	5	5	
2	4	5	4	2	2	2	3	3	3	3	5	2	2	2	2	2	2	2	3	5	5	5	4	4	3
3	6	4	4	3	3	3	4	8	5	4	3	3	3	3	3	3	3	3	4	4	4	3	3	3	4
4	3	3	3	3	3	3	3	5	5	3	3	3	3	3	3	3	4	5	7	7	8	4	3	3	4
5	3	3	3	3	3	4	3	3	4	4	5	5	5	8	12	13	4	1	1	1	1	1	1	1	4
6	1	1	1	1	1	1	2	4	2	1	-	-	3	2	2	2	3	4	4	4	5	4	4	4	3
7	4	5	4	4	4	14	25	33	18	4	-	-	-	2	2	3	3	3	3	3	2	2	2	2	7
8	2	2	2	2	2	2	2	3	2	2	2	4	9	9	5	4	3	3	3	3	4	4	3	4	3
9	5	4	3	2	2	2	2	2	2	3	3	2	3	3	3	3	3	3	3	3	3	4	4	4	3
10	4	4	2	2	2	2	3	4	3	4	4	3	-	-	-	-	-	-	-	-	-	-	-	-	*****
11													- DATA UNAVAILABLE -												
12													- DATA UNAVAILABLE -												
13													- DATA UNAVAILABLE -												
14													- DATA UNAVAILABLE -												
15													- DATA UNAVAILABLE -												
16													- DATA UNAVAILABLE -												
17													- DATA UNAVAILABLE -												
18													- DATA UNAVAILABLE -												
19													- DATA UNAVAILABLE -												
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21													- DATA UNAVAILABLE -												
22													- DATA UNAVAILABLE -												
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24													- DATA UNAVAILABLE -												
25													- DATA UNAVAILABLE -												
26													- DATA UNAVAILABLE -												
27													- DATA UNAVAILABLE -												
28													- DATA UNAVAILABLE -												
29													- DATA UNAVAILABLE -												
30													- DATA UNAVAILABLE -												
31													- DATA UNAVAILABLE -												
MEAN	4	3	3	3	3	4	5	7	5	3	3	3	4	4	4	4	3	3	3	4	4	4	3	3	3.6

PERCENTAGE OF DATA VALID - 29.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 70.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -.- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	2.6	7	28
FEB	29	3.2	9	43
MAR	9	3.6	7	33
YEAR	64	3.0	9	43

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	589	37	13	3	0	0	0	642
FEB	605	63	17	5	1	1	0	692
MAR	208	8	4	1	1	0	0	222
YEAR	1402	108	34	9	2	1	0	1556

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
71.2	0	0.2	0.9	1.7	2.7	5.0	7.6	12.7	17.7	43	3.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH - APR 80

HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
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19																									
20																									
21																									
22																									
23	3	3	2	2	2	3	3	3	3	2	2	2	1	1	2	3	4	4	3	2	2	3	4	4	3
24	6	9	6	6	2	3	5	4	3	4	5	6	7	6	5	3	3	3	3	3	4	3	3	3	4
25	4	5	4	3	3	3	4	5	6	6	3	3	4	4	3	3	3	3	3	3	4	5	7	12	14
26	11	8	14	13	8	6	6	5	4	3	2	2	2	3	3	3	2	3	3	9	8	9	12	9	6
27	7	8	5	3	2	2	2	3	4	5	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	1	1	1	1
29	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	3	3	3	3	3	3	3	3	2
30	2	2	3	3	3	5	7	9	6	3	3	6	3	3	3	4	4	4	4	4	9	7	22	16	6
MEAN	4	5	5	4	3	3	4	4	4	3	2	3	3	3	3	3	3	3	3	4	5	5	8	7	3.7

PERCENTAGE OF DATA VALID - 26.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 73.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR	8	3.7	6	22
MAY	31	3.6	9	33
JUN	27	3.3	7	22
JUL	29	4.3	6	21
AUG	31	4.3	10	43
SEP	26	5.2	9	43
OCT	21	3.9	7	23
NOV	4	2.9	3	23
DEC	30	5.2	12	39
YEAR	207	4.2	12	43

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	153	26	8	1	0	0	0	188
MAY	598	96	26	6	1	0	0	727
JUN	533	96	17	1	0	0	0	647
JUL	551	126	35	2	0	0	0	714
AUG	582	110	36	3	1	1	0	733
SEP	436	127	51	9	0	1	0	624
OCT	389	85	20	1	0	0	0	495
NOV	108	13	4	2	0	0	0	127
DEC	469	122	90	16	2	0	0	699
YEAR	3819	801	287	41	4	2	0	4954

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
75.1	0	0.3	1.5	2.6	4.2	8.1	11.5	16.3	19.9	43	4.2

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.2	8	33
FEB	26	2.4	5	16
MAR	31	2.9	9	21
APR	30	3.1	7	25
MAY	30	5.7	13	34
JUN	23	3.8	10	28
JUL	31	3.0	5	19
AUG	31	2.9	8	25
SEP	30	3.5	8	31
OCT	28	3.2	9	22
NOV	29	4.8	17	71
DEC	31	5.5	13	48
YEAR	351	3.7	17	71

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	620	85	25	5	2	0	0	737
FEB	570	46	15	0	0	0	0	631
MAR	608	88	36	3	0	0	0	735
APR	608	79	24	1	0	0	0	712
MAY	406	207	49	12	2	0	0	676
JUN	447	93	31	4	0	0	0	575
JUL	628	93	15	0	0	0	0	736
AUG	628	84	11	3	0	0	0	726
SEP	571	101	33	0	1	0	0	706
OCT	563	81	33	2	0	0	0	679
NOV	495	132	59	11	1	3	3	704
DEC	443	159	101	12	4	1	0	720
YEAR	6587	1248	432	53	10	4	3	8337

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.9	0	0.0	0.7	2.0	3.8	7.7	10.9	15.4	19.2	71	3.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - NOV 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	1	1	1	2	2	2	2	2	3	2	2	4	4	5	4	4	4	2	2	3	2
2	2	2	2	1	1	1	1	2	2	2	2	2	2	3	2	4	4	8	7	10	25	19	13	9	5
3	6	7	13	14	7	4	4	5	4	4	4	5	-	6	7	11	12	14	19	26	27	8	4	4	9
4	5	3	2	2	2	2	3	3	3	3	5	4	4	4	4	5	5	7	5	4	3	4	4	2	4
5	2	1	1	1	1	1	2	6	9	5	2	-	2	2	3	3	4	4	4	7	8	5	7	5	4
6	3	3	2	2	2	2	5	7	7	5	6	4	4	4	5	6	7	6	4	4	4	4	4	5	4
7	3	2	2	2	2	2	4	7	10	6	5	6	8	-	11	15	21	22	13	11	6	5	4	3	7
8	2	1	1	1	1	1	1	2	2	4	5	4	5	3	3	3	3	10	16	13	3	2	2	2	4
9	2	3	4	3	2	2	2	3	4	5	5	3	2	3	3	3	3	5	5	3	3	3	3	2	3
10	1	0	0	0	0	0	1	4	5	3	2	-	2	2	2	2	2	3	2	2	2	2	2	1	2
11	1	1	1	0	0	0	1	4	7	4	2	4	3	2	2	2	4	4	3	2	4	3	2	2	2
12	1	1	1	1	1	2	5	7	6	4	4	4	2	3	4	6	10	16	26	31	20	20	25	33	10
13	27	24	24	20	15	7	9	26	28	17	8	6	5	5	5	7	11	15	19	12	10	21	27	13	15
14	12	15	15	7	4	3	5	7	7	5	5	4	4	3	4	6	8	9	7	7	8	9	6	7	7
15	5	4	2	2	2	2	2	3	5	6	6	5	5	5	5	4	5	7	8	7	6	6	6	6	5
16	5	5	5	3	4	3	3	4	3	2	2	3	3	3	4	4	5	9	13	26	26	32	32	41	10
17	36	29	19	13	12	12	15	28	38	31	5	4	4	4	6	10	9	-	7	7	9	7	6	6	14
18	3	3	2	2	2	2	2	7	10	8	5	4	4	4	5	4	6	8	6	4	3	2	2	2	4
19	1	1	1	1	1	2	3	5	8	6	3	4	3	3	6	7	8	10	8	6	6	5	7	17	5
20	12	10	9	9	8	7	8	9	13	8	8	6	4	4	4	4	6	11	12	10	10	6	6	5	8
21	5	5	5	6	7	7	7	8	11	7	4	4	4	4	4	4	4	4	4	3	3	2	2	2	5
22	2	2	2	1	2	6	12	8	3	3	3	3	3	3	3	3	3	6	4	7	6	6	8	4	4
23	16	15	11	5	4	4	5	13	13	8	7	7	8	9	11	10	14	14	13	9	7	8	7	5	9
24	5	5	4	5	8	12	12	19	24	24	22	-	16	11	11	10	12	16	9	8	6	6	4	3	11
25	1	1	1	1	1	1	1	5	6	4	3	2	2	2	2	4	5	6	6	5	7	6	5	5	3
26	4	4	2	3	3	5	6	11	13	11	7	4	4	4	4	5	8	21	42	32	34	24	20	19	12
27	20	23	23	21	18	14	5	4	4	4	4	10	13	3	3	4	3	3	3	3	4	4	3	2	8
28	2	2	2	2	2	2	2	4	5	5	5	5	7	10	8	8	13	11	5	7	10	7	5	6	6
29	5	5	3	3	3	2	1	2	4	4	4	3	4	2	2	3	4	4	4	4	4	2	2	2	3
30	2	2	2	2	2	1	1	1	2	2	2	2	2	2	3	4	4	4	3	4	4	6	8	6	3
MEAN	6	6	5	4	4	4	4	7	9	7	5	4	5	4	5	6	7	9	9	9	9	8	8	8	6.3

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.8

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	2	4	3	4	3	5	10	13	13	9	6	-	-	-	-	-	-	-	-	-	-	-	-	*****
2												-	DATA UNAVAILABLE	-											
3												-	DATA UNAVAILABLE	-											
4												-	DATA UNAVAILABLE	-											
5												-	DATA UNAVAILABLE	-											
6												-	DATA UNAVAILABLE	-											
7												-	DATA UNAVAILABLE	-											
8												-	DATA UNAVAILABLE	-											
9												-	DATA UNAVAILABLE	-											
10												-	DATA UNAVAILABLE	-											
11												-	DATA UNAVAILABLE	-											
12												-	DATA UNAVAILABLE	-											
13												-	DATA UNAVAILABLE	-											
14												-	DATA UNAVAILABLE	-											
15												-	DATA UNAVAILABLE	-											
16												-	DATA UNAVAILABLE	-											
17												-	DATA UNAVAILABLE	-											
18												-	DATA UNAVAILABLE	-											
19												-	DATA UNAVAILABLE	-											
20												-	DATA UNAVAILABLE	-											
21												-	DATA UNAVAILABLE	-											
22												-	DATA UNAVAILABLE	-											
23												-	DATA UNAVAILABLE	-											
24												-	DATA UNAVAILABLE	-											
25												-	DATA UNAVAILABLE	-											
26												-	DATA UNAVAILABLE	-											
27												-	DATA UNAVAILABLE	-											
28												-	DATA UNAVAILABLE	-											
29												-	DATA UNAVAILABLE	-											
30												-	DATA UNAVAILABLE	-											
31												-	DATA UNAVAILABLE	-											
MEAN	4	2	4	3	4	3	5	10	13	13	9	6	****	****	****	****	****	****	****	****	****	****	****	****	6.3

PERCENTAGE OF DATA VALID - 1.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 98.4

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	4.5	9	28
FEB	29	5.3	12	37
MAR	31	5.1	12	54
APR	30	3.9	9	32
MAY	27	3.0	6	23
JUN	10	3.8	6	13
JUL	31	5.0	9	35
AUG	31	4.2	7	22
SEP	30	5.8	14	45
OCT	31	5.5	14	51
NOV	30	6.3	15	42
DEC	0	6.3	****	13
YEAR	311	4.8	15	54

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	551	155	27	4	0	0	0	737
FEB	479	148	51	2	3	0	0	683
MAR	536	148	41	10	3	0	1	739
APR	597	89	20	7	1	0	0	714
MAY	590	47	20	1	0	0	0	658
JUN	221	41	2	0	0	0	0	264
JUL	537	149	39	7	2	0	0	734
AUG	587	109	33	2	0	0	0	731
SEP	475	149	61	19	6	1	0	711
OCT	479	170	63	14	5	1	1	733
NOV	456	152	69	26	9	2	0	714
DEC	7	3	2	0	0	0	0	12
YEAR	5515	1360	428	92	29	4	2	7430

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	99	MAX	ARITH- MEAN
84.6	0	1.1	2.1	3.1	4.6	8.6	12.0	18.9	54	4.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001

MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	2	2	2	2	2	4	10	8	6	5	4	-	4	3	4	5	8	14	14	23	35	21	25	9
2	15	13	8	3	1	1	2	5	5	3	2	2	3	3	5	4	4	4	3	3	3	1	0	0	4
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0	0	1	0	0	0
4	0	0	0	0	0	0	1	1	2	2	26	1	-	0	1	2	3	4	2	1	1	-	1	1	2
5	0	0	0	0	0	0	1	2	2	2	1	2	2	1	2	2	4	9	8	14	14	3	1	1	3
6	1	1	1	0	1	0	1	1	3	2	3	2	2	4	3	3	-	4	6	5	12	9	7	7	3
7	9	8	7	9	12	20	14	19	19	13	9	9	10	6	6	5	6	4	4	3	4	3	3	1	8
8	2	2	3	4	4	5	7	13	16	14	15	13	12	12	10	8	15	19	8	4	3	2	2	1	8
9	0	0	0	0	0	0	1	1	2	2	2	1	2	2	0	1	8	6	7	6	-	-	4	-	2
10	4	3	2	2	2	4	4	10	14	-	14	6	9	9	9	7	-	-	1	0	0	0	0	0	5
11	0	0	0	0	1	1	3	7	14	9	2	2	4	7	8	10	11	18	15	11	-	-	-	6	6
12	5	6	4	5	5	6	7	11	15	8	7	7	5	4	5	6	11	10	10	8	6	5	4	6	7
13	5	6	6	9	11	6	5	3	1	2	1	1	1	1	3	2	2	5	7	6	7	8	18	5	5
14	10	6	5	2	2	1	1	2	4	0	0	0	0	0	1	1	1	1	1	0	1	1	2	1	2
15	2	4	3	4	5	7	7	9	9	4	3	3	2	-	-	3	6	8	-	4	3	3	1	1	4
16	2	2	2	1	1	1	2	3	3	2	-	4	2	2	2	3	2	3	2	2	1	1	1	0	2
17	1	0	0	0	0	0	1	6	6	3	2	3	3	5	11	12	16	16	17	12	-	5	3	2	5
18	3	2	4	2	3	3	6	10	6	2	2	2	2	4	10	33	26	22	37	35	-	-	-	-	10
19	15	4	2	0	2	1	4	3	2	3	2	0	-	-	1	3	5	9	6	5	4	4	7	7	4
20	6	4	4	2	3	4	4	4	4	4	4	3	2	2	1	3	3	4	5	6	4	4	4	4	4
21	5	10	4	5	4	2	2	3	3	3	2	1	1	1	1	3	4	4	6	8	19	19	20	18	6
22	14	10	15	10	10	6	5	13	10	6	9	11	14	18	9	9	10	7	7	6	8	8	6	6	9
23	6	5	5	5	7	8	10	13	9	11	28	10	10	10	10	12	12	13	-	13	13	26	34	25	13
24	18	16	13	10	7	6	8	14	11	5	1	1	1	1	2	1	0	1	0	0	0	0	0	0	5
25	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	2	4	8	7	5	4	8	13	11	3
26	9	7	4	3	2	2	2	3	3	3	4	3	3	3	16	10	4	3	4	5	6	6	7	8	5
27	8	4	5	0	0	1	1	1	1	1	0	1	2	4	7	10	12	17	22	35	14	9	6	5	7
28	7	6	5	5	4	4	4	4	3	5	5	5	6	9	6	7	7	6	7	7	6	6	9	12	6
29	19	10	28	34	17	12	10	21	34	32	18	9	11	11	12	18	24	11	2	0	1	2	2	15	15
30	0	0	1	0	0	0	0	1	1	0	-	-	-	7	2	4	6	4	5	5	3	3	3	3	2
31	2	1	1	2	1	1	2	4	7	5	4	5	6	4	3	6	9	8	4	8	8	12	12	-	5
MEAN	6	4	4	4	3	3	4	6	7	5	6	4	4	5	5	5	8	8	7	8	7	7	6	6	5.5

PERCENTAGE OF DATA VALID - 96.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 3.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001

MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.2	14	40
FEB	29	3.1	9	31
MAR	31	3.3	10	31
APR	30	2.2	6	21
MAY	31	2.1	6	22
JUN	30	2.0	5	13
JUL		DATA UNAVAILABLE		
AUG	31	2.0	6	20
SEP	30	1.8	4	17
OCT	31	3.2	12	47
NOV	30	4.2	9	48
DEC	31	5.5	15	37
YEAR	335	3.0	15	48

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001

MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	630	74	24	6	5	0	0	739
FEB	578	71	29	3	1	0	0	682
MAR	603	101	32	2	1	0	0	739
APR	647	42	9	1	0	0	0	699
MAY	656	48	15	1	0	0	0	720
JUN	617	44	5	0	0	0	0	666
JUL	DATA UNAVAILABLE							
AUG	666	55	8	0	0	0	0	729
SEP	664	38	7	0	0	0	0	709
OCT	610	87	27	2	3	1	0	730
NOV	522	137	47	5	1	1	0	713
DEC	458	154	82	13	9	0	0	716
YEAR	6651	851	285	33	20	2	0	7842

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALIDCONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

DATA ALID	MIN	10	30	FREQUENCY 50	DISTRIBUTION, PERCENT 70	90	95	98	99	MAX	ARITH MEAN
97.5	0	0.0	0.4	1.3	2.8	6.6	9.4	14.1	18.2	48	3.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051

MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	2	1	1	1	1	1	0	0	1	1	2	1	2	1	1	1	1	3	3	3	5	3	2
2	1	1	1	1	0	1	1	0	0	-	-	0	0	1	0	1	3	2	1	2	1	1	0	1	1
3	0	1	1	1	1	1	1	1	0	1	1	2	2	2	2	3	4	2	3	3	1	3	3	1	2
4	2	1	2	2	2	2	4	4	4	2	2	2	2	1	3	6	15	15	11	7	8	6	9	5	5
5	7	7	5	5	-	2	2	3	3	3	4	3	2	3	2	3	7	10	16	8	3	3	2	5	3
6	2	2	4	3	2	5	5	3	4	2	1	2	2	2	1	1	3	5	4	3	2	1	1	1	3
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	1	1	1
8	1	1	2	1	1	1	1	1	2	5	-	2	1	1	2	2	1	2	1	2	2	1	1	1	2
9	1	1	1	1	0	1	1	1	1	2	0	1	1	2	1	2	2	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	4	3	2	2	2	1	2	1	2	2	1	2	3	1	2	1	2	2
11	1	1	1	1	1	1	1	3	6	7	10	11	1	1	1	1	1	1	1	1	1	1	1	1	2
12	1	1	1	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0
13	0	0	0	0	0	1	0	0	0	0	0	0	0	2	1	2	2	4	5	7	5	6	11	8	2
14	8	3	1	3	3	7	6	7	9	-	1	1	2	3	3	4	4	2	3	4	4	6	6	4	4
15	3	2	1	1	1	2	2	2	2	2	3	3	4	3	3	4	5	6	5	5	4	3	1	1	3
16	1	1	1	1	1	1	1	3	2	2	2	3	3	4	3	2	3	-	3	5	4	5	4	3	3
17	4	4	4	2	2	2	2	1	3	15	6	7	6	5	4	8	9	9	9	9	9	8	7	6	6
18	7	7	5	5	6	7	11	5	3	-	4	3	3	4	4	5	4	4	4	4	3	3	2	5	5
19	2	3	2	3	3	3	3	2	2	2	2	2	2	1	2	1	2	0	1	2	2	1	0	0	2
20	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	1	0	0	0
21	0	0	0	0	0	0	0	0	1	0	1	2	2	0	1	2	2	1	1	1	2	2	3	2	1
22	3	1	1	1	1	0	1	2	6	-	5	3	3	5	4	5	5	4	6	4	3	3	2	3	3
23	2	2	3	1	1	1	1	1	1	1	2	1	2	1	2	2	3	1	1	1	0	0	0	1	1
24	0	0	0	0	0	0	1	0	1	0	1	0	2	1	0	1	4	4	4	3	2	2	1	1	1
25	1	1	1	1	1	1	1	1	3	1	-	2	2	2	2	3	5	5	6	6	6	5	4	2	3
26	1	1	1	0	0	0	0	1	1	0	2	1	1	2	3	2	2	2	2	2	1	1	1	1	1
27	0	0	1	1	0	0	0	0	0	0	1	0	0	1	1	2	2	3	3	3	1	3	2	1	1
28	1	1	1	1	1	1	3	3	4	2	2	-	2	2	2	3	4	3	2	2	4	3	3	1	2
29	1	0	1	1	1	1	1	3	5	2	2	1	1	2	2	2	2	1	2	1	1	1	0	1	1
30	0	0	0	1	1	0	1	3	2	-	2	3	2	2	3	2	3	2	1	-	2	3	2	1	2
31	1	3	1	1	1	1	3	3	3	2	2	3	2	2	2	3	3	3	2	2	3	1	2	1	2
MEAN	2	2	1	1	1	1	2	2	2	2	2	2	2	2	2	2	3	3	3	4	3	3	3	2	2.2

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 2.2

NOTES 1. "****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-.-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION									
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - DEC 80									
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-	1	1	0	1	1	-	1	2	2	3	-	2	2	2	-	-	8	12	18	30	35	16	7
2	5	3	-	0	0	-	1	2	-	56	2	2	2	3	7	6	5	5	5	7	9	7	1	6
3	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	-	1	0	0	1	0	2	0	0
4	0	0	0	1	0	1	1	2	2	-	3	-	1	1	2	3	-	1	2	-	-	-	1	1
5	1	1	1	0	0	-	1	1	3	1	1	-	1	1	1	-	3	2	2	3	4	3	2	2
6	3	5	3	1	1	1	1	1	1	2	1	1	1	1	2	2	2	2	2	2	2	3	3	2
7	3	4	1	1	2	2	-	1	3	6	4	3	4	3	2	2	4	4	2	2	2	3	3	2
8	2	2	2	2	5	9	10	10	16	10	4	9	8	18	3	1	2	3	3	2	2	1	1	6
9	1	0	0	0	0	0	1	1	1	0	0	1	0	1	1	2	2	1	1	-	-	-	-	1
10	1	1	1	1	1	5	4	1	3	1	2	2	1	1	1	-	-	1	-	-	0	0	0	1
11	0	0	0	0	0	0	1	3	1	1	1	-	-	1	2	-	1	1	7	-	-	-	3	1
12	2	4	3	2	2	2	1	3	-	-	2	4	4	4	4	5	5	3	7	9	6	7	6	4
13	5	5	7	8	6	5	4	2	3	4	2	2	2	3	2	3	2	1	3	2	4	2	3	1
14	2	2	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	0	1	1	1	1
15	1	1	1	1	1	1	1	2	4	4	2	2	-	-	-	3	3	-	3	6	6	4	4	3
16	2	3	2	2	2	1	2	3	-	2	2	3	3	4	-	5	4	4	5	4	3	3	1	3
17	1	1	1	1	1	1	1	2	3	2	2	2	19	-	-	6	7	11	13	-	3	3	4	4
18	-	4	2	1	1	1	1	1	1	1	1	1	2	2	4	7	5	5	6	6	-	-	-	3
19	1	1	1	1	1	1	1	1	0	0	0	-	-	1	1	2	5	4	3	3	3	2	2	2
20	2	3	3	2	2	2	2	3	2	2	2	2	0	1	2	1	-	5	5	5	6	5	4	3
21	2	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	4	3	2	7	10	8	10	2
22	4	2	1	-	2	2	9	40	51	53	19	10	9	10	13	10	5	12	16	21	24	29	3	15
23	15	10	9	1	1	1	2	5	22	14	6	7	5	6	6	7	7	-	4	3	3	2	2	6
24	3	2	2	2	3	2	3	3	4	32	4	5	2	1	1	1	1	1	0	0	0	0	0	3
25	0	0	0	1	0	0	1	1	1	0	0	0	0	1	0	1	0	0	1	-	1	1	1	0
26	1	1	1	3	1	1	1	1	1	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1
27	1	1	2	1	2	1	1	2	2	1	1	2	2	1	3	5	7	7	9	10	9	10	11	4
28	12	13	12	11	11	9	8	8	7	7	7	9	7	7	8	6	5	8	10	6	7	8	11	9
29	13	-	-	10	8	6	6	11	18	12	5	4	3	43	3	4	9	5	4	4	5	5	3	1
30	0	0	0	0	0	0	0	0	0	0	1	0	0	-	0	1	2	1	2	2	1	1	2	1
31	2	2	1	1	0	1	1	1	1	0	0	-	3	0	2	1	3	1	1	1	2	3	2	1
MEAN	3	2	2	2	2	2	4	5	5	4	3	3	5	3	3	3	4	4	5	5	5	4	4	3.4

PERCENTAGE OF DATA VALID - 91.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 8.2

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.2	6	16
FEB	29	2.3	7	17
MAR	31	2.1	8	14
APR	30	1.9	8	30
MAY	30	1.4	4	19
JUN	30	0.4	1	9
JUL	17	0.1	1	8
AUG	26	1.7	4	19
SEP	30	1.1	2	10
OCT	31	2.6	12	45
NOV	30	1.9	8	23
DEC	31	3.4	15	56
YEAR	346	1.8	15	56

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051

MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	674	46	8	0	0	0	0	728
FEB	631	41	7	0	0	0	0	679
MAR	674	41	11	0	0	0	0	726
APR	665	26	7	4	0	0	0	702
MAY	682	13	6	0	0	0	0	701
JUN	658	3	0	0	0	0	0	661
JUL	387	2	0	0	0	0	0	389
AUG	578	19	10	0	0	0	0	607
SEP	679	17	0	0	0	0	0	696
OCT	631	41	25	16	0	1	0	714
NOV	637	43	13	2	0	0	0	695
DEC	569	77	25	5	3	1	3	683
YEAR	7465	369	112	27	3	2	3	7981

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.9	0	0.0	0.0	0.6	1.3	3.7	6.0	9.7	13.7	56	1.8

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 58030

132 KING ST. PORT HOPE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	10	6	3	1	1	1	2	2	3	1	2	3	3	3	1	1	2	2	1	1	2	2	2	3
2	3	4	4	4	3	2	2	2	2	2	2	2	2	2	2	2	3	10	8	3	2	2	2	1	3
3	1	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2	2	3	3	3	3	2	2	2
4	2	2	2	2	2	2	2	2	3	2	2	1	1	1	1	1	1	4	3	2	2	3	1	2	2
5	1	1	2	2	2	2	2	1	2	2	1	1	2	2	2	2	2	4	3	3	2	2	2	2	2
6	1	2	0	2	1	1	1	1	1	0	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1
7	0	0	0	0	0	0	0	0	0	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1
8	2	1	1	1	1	1	1	1	1	2	2	2	2	2	1	1	2	2	1	1	2	2	1	1	1
9	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	1
10	1	2	1	1	3	3	3	5	9	7	3	2	1	1	1	1	1	1	1	1	1	1	1	1	2
11	1	1	2	2	2	2	2	2	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
12	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
13	2	1	1	1	1	1	2	1	1	1	1	1	3	3	4	4	5	8	11	6	6	4	8	5	4
14	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	2	18	13	5	3	4	2	2	4
15	4	4	3	3	3	2	4	4	3	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2
16	2	2	3	3	3	2	2	2	3	1	1	1	2	2	3	3	3	3	3	3	3	4	2	2	2
17	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
18	2	2	2	2	3	4	2	3	3	4	3	2	4	4	3	2	2	3	5	3	3	2	2	2	3
19	3	2	2	2	1	2	1	1	1	1	1	1	3	1	1	1	1	1	1	1	2	1	1	1	1
20	1	1	1	1	0	1	1	1	1	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	1
21	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	1	1	1	3	2	2	4	8	7	2
22	5	4	5	5	5	3	2	1	1	1	1	1	1	2	3	4	3	2	3	4	2	3	2	2	3
23	2	2	2	2	2	1	1	1	1	1	1	1	1	1	1	0	0	1	1	0	0	0	1	1	1
24	1	1	0	1	1	1	1	1	1	1	1	1	0	0	0	1	1	2	3	3	1	1	1	2	1
25	1	1	2	2	3	4	7	12	10	6	4	3	3	1	1	1	1	1	3	2	2	2	2	1	3
26	1	1	2	2	3	2	2	2	1	2	1	1	1	1	2	1	1	1	1	1	1	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
28	1	1	1	2	2	2	1	1	1	1	3	1	1	1	1	1	1	3	4	10	10	3	1	2	2
29	2	3	2	2	1	2	4	3	2	1	1	2	1	1	2	1	1	1	1	1	1	1	1	1	2
30	1	1	1	1	1	2	1	2	1	1	1	1	1	1	2	1	1	2	2	1	1	1	1	1	1
31	1	1	1	2	1	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1	1	1	1
MEAN	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	1	2	3	3	2	2	2	2	2	1.8

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 58030 132 KING ST. PORT HOPE

MONTH - FEB 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	0	0	0	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	0	1	0	1
2	1	1	1	1	1	1	0	0	0	0	0	0	0	1	0	0	1	1	1	1	1	0	0	0	1
3	0	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	1	1	0	1	0	0
4	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
5	1	0	1	2	1	2	1	2	1	1	1	1	0	0	1	1	1	3	4	3	2	3	4	3	2
6																									
7																									
8																									
9																									
10																									
11																									
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25																									
26																									
27																									
28																									
29																									
MEAN	1	1	0	1	0	1	0	1	1	0	0	1	0	1	1	1	1	1	2	1	1	1	1	1	0.8

PERCENTAGE OF DATA VALID - 17.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 82.8

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *-* INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 58030 132 KING ST. PORT HOPE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.8	4	18
FEB	5	0.8	2	4
YEAR	36	1.6	4	18

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 58030 132 KING ST. PORT HOPE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	720	19	4	0	0	0	0	743
FEB	120	0	0	0	0	0	0	120
YEAR	840	19	4	0	0	0	0	863

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

ARITH

VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
59.9	0	0.0	0.4	0.8	1.4	2.6	3.6	6.0	9.1	18	1.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH - JAN 80

STATION - NE NO 77016	ASH ST WATER TANK, SUDBURY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0
2	0	0	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	2	1	1
4	1	1	1	2	4	4	1	6	6	3	2	0	0	4	5	5	7	9	13	13	11	13	9	5	5	5
5	2	1	1	0	-	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1
6	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	1
7	0	0	0	0	1	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	2	2	0	0	0	0	0	0	0	0	1	2	4	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6	6	6	6	6	6
11	6	6	6	6	5	5	5	6	6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	3	3	4	4	4	4	4	2	3	2	2	3	2	3	3	3	3	3	2	3	3	3	3	3	3
13	2	4	3	4	4	4	4	4	3	3	3	3	3	3	3	3	4	4	3	3	3	4	3	2	3	3
14	2	2	2	2	2	2	2	2	3	3	3	3	3	2	3	2	2	3	4	3	3	2	3	1	2	2
15	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
16	1	1	1	1	1	1	1	1	1	2	1	1	2	2	3	2	4	5	-	3	3	1	2	2	3	2
17	1	1	1	1	1	1	1	3	3	2	4	3	2	4	3	4	6	6	3	5	4	2	2	3	3	3
18	3	3	3	3	3	3	3	4	4	4	4	4	3	2	1	1	1	1	2	0	0	0	0	0	0	2
19	0	0	0	0	0	0	0	0	0	0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
21	-	-	-	-	-	-	-	-	-	3	3	-	-	-	-	0	0	1	4	1	1	2	3	3	2	3
22	2	1	2	2	1	1	3	5	12	9	7	4	-	2	2	2	2	3	1	1	0	0	0	0	0	3
23	0	0	0	0	0	0	0	0	0	0	0	0	16	0	0	0	0	2	2	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	3	2	1	1	1	1
25	2	1	1	1	0	1	1	3	5	5	3	0	0	0	1	1	1	1	2	2	3	1	0	0	0	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	1	1	1	1	0	0
27	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	1	3	1	2	1	1	1	2	1
28	3	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	2	3	5	5	6	1	1	1	1	1
29	1	0	0	0	0	0	0	0	0	2	0	-	0	0	0	0	0	0	0	1	1	1	1	1	1	1
30	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	2	2	2	1	2	1	1	1	1	1	2	2	2	2	2	2	2	2	1.5

PERCENTAGE OF DATA VALID - 83.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 16.8

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK, SUDBURY

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	1	4	3	0	2	1	2	0	1	2	2	3	3	2	1	0	1	1	1
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	2	1	2	1	1	1	1	2	3	2	1	2	2	2	3	4	10	13	11	5	-	4	1	3	3
5	1	1	1	0	1	1	1	2	4	2	2	2	2	2	3	6	10	-	12	6	4	3	3	3	3
6	1	1	2	1	1	1	1	3	3	4	4	4	4	4	3	4	4	4	4	3	3	3	3	3	3
7	3	3	3	3	1	1	1	1	1	1	2	2	2	2	2	2	2	2	1	1	1	1	1	2	2
8	2	1	1	1	1	1	2	2	2	3	2	2	2	1	1	1	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	1	2	4	3	2	0	2	2	2	2	3	4	2	1	-	-	1	1	1
10	1	1	0	0	0	0	0	0	0	19	-	0	-	-	0	0	-	-	0	0	0	0	0	0	1
11	1	1	1	0	0	0	0	1	0	0	0	1	0	0	0	1	4	7	12	18	-	-	-	35	4
12	18	8	23	22	19	12	10	9	7	5	5	4	5	4	6	6	7	8	5	3	3	3	3	2	8
13	2	2	2	2	2	1	2	1	1	1	1	1	1	1	1	3	5	4	5	7	6	4	2	3	3
14	1	2	2	2	2	2	1	0	0	0	0	1	0	1	1	1	1	1	2	6	5	4	5	5	2
15	5	4	2	2	1	1	2	4	4	3	3	3	3	3	2	3	4	3	-	2	2	1	1	1	3
16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	1
17	2	2	2	2	3	2	4	7	9	6	4	5	5	5	5	5	7	4	3	-	-	3	3	3	4
18	3	2	2	2	2	2	2	3	3	3	3	3	3	3	3	3	8	7	2	2	2	-	-	-	3
19	0	0	0	0	0	1	1	1	1	1	1	1	-	-	1	3	3	3	3	3	4	4	4	4	2
20	4	3	1	1	1	1	2	4	2	3	1	1	1	2	3	3	3	3	3	1	1	1	1	1	2
21	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	1	1	3	1	1	6	2
22	5	4	4	3	4	4	4	9	13	11	10	31	15	9	8	7	7	6	4	3	3	2	2	1	7
23	1	1	1	1	1	1	2	3	4	4	4	3	4	4	4	4	3	2	-	1	2	2	1	0	2
24	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0
25	0	1	0	1	1	1	1	1	1	4	2	1	1	1	3	4	2	1	1	1	3	6	7	7	2
26	7	6	3	1	0	0	1	0	0	0	0	0	0	0	1	2	0	0	0	0	0	1	1	1	1
27	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	7	12	12	8	8	7	4	8	4
28	7	4	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	1	2	1	2	2	2	2	2
29	2	-	-	1	1	1	2	2	2	1	0	1	1	1	1	1	1	1	1	0	1	0	1	1	1
30	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	2	2	2	2	1	1	1	1	1	1
31	1	1	0	0	0	0	1	1	2	2	2	0	2	2	2	2	3	5	5	4	4	4	2	-	2
MEAN	2	2	2	2	1	1	2	2	2	3	2	2	2	2	2	2	3	4	3	3	3	2	2	3	2.3

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 3.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016

ASH ST WATER TANK, SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	1.5	5	16
FEB	20	1.4	4	32
MAR	31	1.4	6	20
APR	30	1.1	4	7
MAY	31	0.5	2	7
JUN	28	0.5	2	12
JUL	31	0.6	2	5
AUG	31	1.0	3	17
SEP	30	0.7	3	16
OCT	31	1.3	11	31
NOV	28	1.6	8	33
DEC	31	2.3	8	35
YEAR	346	1.1	11	38

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITROGEN OXIDES - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - ME NO 77016

ASH ST WATER TANK, SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	591	22	6	0	0	0	0	619
FEB	522	16	3	4	1	0	0	546
MAR	702	26	12	0	0	0	0	740
APR	676	16	0	0	0	0	0	692
MAY	729	7	0	0	0	0	0	736
JUN	675	1	1	0	0	0	0	677
JUL	729	0	0	0	0	0	0	729
AUG	722	7	4	0	0	0	0	733
SEP	706	6	2	0	0	0	0	714
OCT	695	19	14	4	1	0	0	733
NOV	623	30	5	3	1	0	0	662
DEC	660	41	14	2	2	0	0	719
YEAR	8030	191	61	13	5	0	0	8300

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALIDCONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.5	0	0.0	0.0	0.0	0.7	2.5	3.9	6.5	9.7	35	1.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008

467 UNIVERSITY AV WEST F2 WINDSOR

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	8	8	12	18	15	10	10	8	9	9	8	6	5	7	7	3	3	3	2	2	2	1	1	1	7
2	1	1	2	3	3	4	4	6	6	5	5	6	6	7	8	11	12	5	2	1	0	0	0	0	4
3	0	0	0	0	0	0	1	3	4	5	3	4	4	2	1	2	3	2	2	1	0	1	1	1	2
4	0	0	0	0	0	0	0	1	2	2	3	3	3	3	4	4	4	4	3	3	3	4	4	4	2
5	3	2	2	1	1	0	0	1	1	1	1	2	1	1	1	1	1	1	2	3	3	3	4	6	2
6	7	20	40	43	49	45	36	27	18	9	3	1	1	0	0	0	0	0	0	0	0	0	0	0	12
7	0	0	0	0	1	1	1	2	2	1	1	2	2	2	2	2	2	3	2	2	2	2	2	2	1
8	1	0	0	0	0	0	0	1	2	1	3	2	2	1	1	2	2	3	3	2	2	2	2	1	1
9	1	1	1	0	0	0	1	1	5	5	6	5	4	3	2	2	***	2	3	3	3	3	4	5	3
10	4	4	4	5	6	6	5	3	1	1	1	0	4	4	4	5	5	6	5	3	1	1	1	0	3
11	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0
12	0	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	3	2	1	1	1	1
13	0	0	0	0	1	0	0	0	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
14	2	1	0	1	1	3	4	5	7	10	***	***	***	7	6	6	9	8	5	5	5	4	4	3	5
15	0	0	0	0	0	0	0	0	2	4	3	2	2	1	1	1	2	2	1	1	2	4	4	4	2
16	4	3	3	3	3	3	3	3	4	4	5	6	6	6	6	6	7	6	4	3	2	2	2	2	4
17	2	1	0	0	0	0	0	0	1	2	4	2	1	4	4	6	6	4	3	3	4	5	5	6	3
18	6	5	4	4	3	2	2	4	9	***	***	4	3	3	3	2	3	3	2	2	1	1	1	2	3
19	1	1	1	1	1	1	1	2	5	7	3	1	1	1	1	1	1	1	2	3	1	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	1	0	0
21	0	0	0	0	0	3	4	6	12	***	5	4	3	3	3	2	4	7	6	7	4	1	3	2	4
22	0	0	0	0	0	0	2	6	7	8	6	4	4	2	2	2	3	4	4	3	0	0	0	0	0
23	0	0	0	0	0	0	0	1	1	0	0	0	0	1	1	1	1	1	1	1	0	0	1	1	0
24	1	1	1	0	1	3	1	3	4	4	4	2	1	0	0	0	1	1	3	4	3	2	1	2	2
25	6	5	3	2	1	1	1	2	3	4	4	6	15	15	13	8	6	5	3	1	2	6	6	5	6
26	3	2	3	3	4	7	4	6	7	5	6	4	1	1	1	1	2	3	3	5	9	24	27	17	6
27	7	14	24	22	19	9	5	9	7	4	0	1	1	1	1	1	2	3	1	0	0	0	0	0	5
28	0	0	0	0	0	0	1	1	2	1	1	1	1	1	1	2	2	2	2	1	1	1	1	1	1
29	1	1	1	1	0	1	1	2	4	3	2	2	1	1	1	1	1	1	1	1	3	6	6	7	2
30	8	7	6	3	2	1	1	2	4	3	***	1	1	1	2	2	2	2	2	2	1	1	1	1	2
31	0	0	0	0	0	0	1	2	7	9	7	3	1	1	1	1	1	1	1	0	0	0	0	0	2
MEAN	2	3	3	4	4	3	3	3	4	4	3	2	3	3	3	3	3	3	2	2	2	3	3	2	2.8

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION											
STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR													MONTH - DEC 80											
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	2	2	2	3	5	8	9	10	10	8	7	7	5	6	7	8	7	7	7	7	6	6
2	5	4	3	2	1	0	0	0	1	2	6	8	8	6	5	3	2	1	1	0	0	0	0	2
3	0	0	0	0	0	0	0	0	1	2	3	4	5	4	3	3	3	4	3	3	1	0	0	2
4	1	1	0	0	0	1	2	3	***	3	2	0	1	2	1	2	3	3	3	2	2	2	2	2
5	1	1	2	2	2	1	1	2	2	2	2	***	***	3	3	5	5	3	2	2	3	3	4	2
6	6	7	6	6	6	7	8	11	11	12	12	13	7	6	5	6	7	16	25	10	6	6	5	9
7	5	5	4	4	2	2	1	1	1	1	2	2	2	2	3	2	3	5	6	2	2	3	4	3
8	3	2	1	1	1	1	1	1	2	1	***	4	6	9	6	8	8	4	3	2	2	1	1	3
9	1	1	0	0	0	0	0	1	1	1	1	1	2	4	10	13	14	9	5	6	5	2	0	3
10	1	0	0	0	0	0	0	1	1	2	2	1	1	1	2	2	1	1	0	0	0	0	0	1
11	0	0	0	0	0	2	3	***	5	3	3	5	4	4	5	6	6	8	3	3	4	4	2	3
12	1	1	2	3	2	0	1	2	3	3	4	3	4	7	7	4	3	3	6	4	2	4	5	3
13	6	6	4	4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	3	2	0	1	2
14	1	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	3	3	4	5	10	11	2
15	8	6	5	3	1	1	2	4	5	9	4	2	2	3	3	3	4	5	6	3	3	4	4	4
16	4	2	1	1	1	2	3	6	6	4	3	2	2	1	2	2	1	1	1	1	0	1	2	2
17	2	2	2	2	2	9	13	18	8	***	3	4	4	5	3	3	3	1	0	1	2	5	5	4
18	7	4	2	2	2	3	2	1	2	1	1	1	0	1	1	2	1	1	1	1	1	1	1	2
19	0	0	0	0	0	0	0	1	1	***	1	1	1	1	1	2	2	2	2	2	1	1	1	1
20	2	2	2	3	2	2	2	3	3	2	1	1	0	0	0	1	1	2	2	2	3	2	2	2
21	3	3	2	2	2	3	3	4	4	2	1	1	1	1	1	1	2	2	4	10	7	6	7	3
22	6	7	6	2	2	4	4	5	5	2	1	0	0	1	1	1	3	4	4	4	6	4	5	3
23	4	5	5	5	5	4	4	4	***	9	6	5	8	6	5	7	4	6	6	5	5	5	6	5
24	6	3	3	3	3	3	4	5	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
25	1	2	2	2	1	2	2	1	1	1	1	1	1	0	0	1	2	0	0	0	3	5	6	2
26	4	0	0	0	0	0	2	2	1	1	1	4	2	1	4	7	2	2	2	3	3	4	5	2
27	5	5	6	8	7	6	6	6	9	10	6	3	3	3	3	1	1	1	1	3	3	4	6	5
28	7	7	7	7	8	9	8	8	6	7	4	4	3	3	3	4	4	8	9	8	7	8	9	6
29	7	10	14	9	9	8	9	17	25	27	25	11	6	7	7	4	2	0	0	0	0	0	1	9
30	1	0	0	0	0	0	0	0	0	***	1	1	2	2	2	3	3	1	1	1	1	1	1	1
31	1	2	1	0	0	1	1	0	1	1	1	2	2	2	1	1	0	1	1	1	1	1	1	1
MEAN	3	3	3	2	2	3	3	4	5	4	3	3	3	3	3	3	3	3	4	3	3	3	3	3.1

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.8	12	49
FEB	29	2.3	14	53
MAR	31	1.0	5	23
APR	30	0.8	3	18
MAY	31	1.6	6	30
JUN	30	0.6	2	15
JUL	27	0.9	5	25
AUG	31	0.4	2	15
SEP	30	3.4	13	52
OCT	31	2.6	10	37
NOV	28	3.2	13	32
DEC	31	3.1	9	27
YEAR	360	1.9	14	53

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 12008 467 UNIVERSITY AV WEST F2 WINDSOR

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	636	76	14	5	2	3	0	736
FEB	622	38	23	1	1	1	1	687
MAR	722	12	5	1	0	0	0	740
APR	704	10	2	0	0	0	0	716
MAY	664	43	30	3	0	0	0	740
JUN	695	12	2	0	0	0	0	709
JUL	649	11	6	2	0	0	0	668
AUG	727	8	1	0	0	0	0	736
SEP	546	116	38	4	2	0	1	707
OCT	652	40	20	11	6	0	0	729
NOV	582	71	17	6	1	0	0	677
DEC	599	118	14	4	0	0	0	735
YEAR	7798	555	172	37	12	4	2	8580

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.7	0	0.0	0.0	0.3	1.3	4.7	7.6	11.7	16.6	53	1.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	3	2	1	2	1	1	2	3	2	2	2	1	1	1	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	3	4	2	2	1	1	1	1	1	1	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	2	2	3	2	2	1	1	1	1	1
4	0	0	0	0	0	0	2	6	7	4	4	4	2	****	2	2	3	2	1	2	2	1	1	1	2
5	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1
6	1	2	3	2	1	2	2	2	2	2	2	2	2	1	1	1	1	0	0	0	0	0	0	0	1
7	0	1	2	2	1	0	0	0	1	1	1	0	0	1	2	1	1	1	0	1	0	1	1	0	1
8	0	1	0	1	0	1	0	0	3	0	0	0	****	****	0	1	1	0	1	0	2	1	0	0	1
9	0	0	0	0	0	0	0	1	3	1	2	1	1	1	1	1	2	1	0	2	2	2	2	2	1
10	2	3	1	1	0	1	1	3	3	2	2	2	2	3	2	3	2	1	1	2	2	2	1	1	2
11	1	1	1	1	1	1	1	4	2	4	2	2	2	4	1	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	1	1	2	4	3	1	1	1
13	1	1	1	0	0	0	0	1	1	1	1	2	2	2	2	2	1	1	1	2	1	1	1	3	1
14	4	1	3	4	2	2	1	2	4	2	1	2	1	2	2	2	2	1	2	2	1	2	3	2	2
15	1	1	1	1	1	1	2	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	1	2
16	1	0	0	0	0	1	1	2	2	1	2	2	2	3	2	2	2	2	1	2	3	3	3	3	2
17	3	2	1	1	1	1	1	2	****	****	****	3	4	3	1	1	1	1	1	0	0	0	0	1	1
18	1	1	0	0	0	0	0	1	1	1	1	1	0	0	1	1	2	1	0	0	1	0	0	0	1
19	0	0	0	0	1	1	1	1	1	3	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0
21	0	0	0	0	0	0	0	0	2	3	1	0	0	0	0	0	0	1	2	4	3	0	0	0	1
22	0	1	3	2	1	1	2	0	0	1	1	0	****	****	1	1	0	0	1	0	0	1	0	0	1
23	0	0	0	0	0	0	1	1	3	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
24	0	0	0	0	0	0	0	1	2	1	1	2	1	1	3	2	3	3	2	4	2	2	1	1	1
25	1	1	0	1	0	1	1	2	3	3	2	2	2	1	1	1	0	0	0	1	3	2	1	1	1
26	1	2	2	1	0	1	1	2	3	2	1	1	1	1	1	1	1	1	1	0	0	0	2	1	1
27	1	3	1	1	1	1	1	2	3	2	2	2	2	0	0	1	1	2	1	2	1	3	0	0	1
28	0	0	0	0	0	1	0	0	3	2	1	1	1	1	1	1	1	1	1	1	2	1	0	0	1
29	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	0	0	1
30	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	2	2	0	0	0	0	1	1	1	0
31	1	0	0	0	0	0	1	2	4	2	1	****	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	0	1	1	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1.0

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT																								
UNITS - 0.01 PARTS/MILLION																								
STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA																								
MONTH - DEC 80	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
MEAN	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
1	1	1	1	0	1	1	1	2	2	3	2	1	1	2	1	1	2	3	2	1	1	1	1	1
2	1	1	0	0	0	0	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
8	2	2	4	3	3	3	7	8	12	9	3	2	2	2	2	2	2	2	2	2	2	2	2	2
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
11	1	0	0	0	1	2	3	3	3	3	3	1	2	2	2	2	2	2	2	1	1	1	1	1
12	3	3	2	1	1	1	1	3	4	5	7	7	5	3	3	2	2	3	3	2	1	1	1	1
13	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	2	1	2	1	3	3	3	8	6	5	3	3	2	2	3	4	4	3	3	7	6	7	6
16	3	4	3	3	4	2	2	4	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0
17	1	1	1	1	1	1	2	4	8	6	1	1	4	5	10	4	3	4	3	3	3	1	1	1
18	1	1	1	1	1	1	1	1	1	2	1	2	1	1	1	2	1	1	1	1	1	1	1	1
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
21	1	1	1	2	1	1	2	2	2	2	1	1	2	2	2	2	3	3	2	2	3	3	3	2
22	5	7	8	8	5	5	4	3	7	6	4	5	6	4	3	2	3	3	3	1	5	1	2	3
23	5	8	9	10	8	9	8	6	6	6	4	4	4	5	3	3	4	4	3	2	3	4	5	6
24	2	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	1	4	2	3	2	3	2	2	2	3	2	2	2	2	1	1	3	3	2	2	1	1	9	25
27	25	26	14	1	1	3	3	4	4	13	6	2	2	2	2	2	3	3	3	2	2	2	2	3
28	4	2	3	5	3	3	3	4	6	8	7	9	8	6	4	4	7	8	6	6	6	7	5	5
29	4	5	6	5	6	6	7	7	6	4	3	2	2	1	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	1	1	1	2	2	2	2	3	3	2	2	1	1	1	1
31	0	0	0	0	0	0	0	1	1	1	2	2	3	3	3	3	2	2	1	2	1	1	1	1
MEAN	2	3	2	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	2

PERCENTAGE OF DATA VALID - 95.6

PERCENTAGE OF DATA INVALID - 4.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064 CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.0	2	7
FEB	29	0.8	3	8
MAR	31	0.8	3	18
APR	30	0.8	2	14
MAY	31	1.0	4	20
JUN	30	0.4	2	5
JUL	31	1.1	3	25
AUG	31	0.8	3	8
SEP	30	1.0	3	10
OCT	30	0.8	4	19
NOV	25	1.1	4	13
DEC	30	2.1	6	26
YEAR	359	1.0	6	26

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14064

CENTENNIAL PK FRONT ST/CN TRACKS, SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	733	2	0	0	0	0	0	735
FEB	680	8	0	0	0	0	0	688
MAR	721	7	4	0	0	0	0	732
APR	705	7	1	0	0	0	0	713
MAY	714	23	5	0	0	0	0	742
JUN	712	0	0	0	0	0	0	712
JUL	711	13	2	1	0	0	0	727
AUG	728	2	0	0	0	0	0	730
SEP	703	9	0	0	0	0	0	712
OCT	705	8	6	0	0	0	0	719
NOV	591	18	3	0	0	0	0	612
DEC	650	55	3	3	0	0	0	711
YEAR	8353	152	24	4	0	0	0	8533

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALIDCONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.1	0	0.0	0.0	0.0	0.7	2.0	3.2	5.1	6.8	26
										1.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14902

286 PAGET ST. CORUNNA

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	0	0	0	0	0	1	2	7	4	5	8	1	1	2	1	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	0	1	1	1	2	0	0	1	1	1	1	0	0	0	0	0	0	0
3	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0
4	0	0	0	0	0	0	1	1	2	2	1	2	1	1	1	0	0	0	0	0	0	1	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
6	2	1	0	0	1	1	0	0	1	2	0	0	0	1	0	1	0	0	0	1	0	3	1	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	1	0	0	0	0	0	0	0	0
10	0	2	1	0	0	0	0	1	1	1	1	2	2	2	2	1	1	1	1	2	2	0	0	0	1
11	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	0	0	0	0	2	0	0	0	0	0
14	0	0	0	0	0	1	2	2	2	2	3	3	3	1	2	2	1	0	0	0	0	0	0	0	1
15	0	0	0	0	0	1	1	1	0	0	0	0	0	0	1	1	1	1	1	0	0	0	1	1	0
16	0	0	0	1	1	1	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
17	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	4	1
18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	1	1	1	0	0	0	1	1	1	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0
21	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	1	2	2	4	2	0	0	0	1
22	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	1	1	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	1	1	1	3	2	3	1	1	2	8	12	1	0	0	0	2
25	0	0	0	0	0	0	0	1	0	0	2	2	3	2	2	1	0	0	0	0	1	1	0	0	1
26	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	2	1	0	0	0	1	0
27	2	2	2	1	0	1	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	1	1	0	0	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	1	1	0	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	1	1	1	1	1	1	1	0	1	0	0	0	1	1	0	0	0	0	0.5

PERCENTAGE OF DATA VALID - 94.2

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 4.6

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14902 286 PAGET ST. CORUNNA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	0.5	2	12
FEB	20	0.7	3	10
MAR	19	0.4	2	8
APR	21	0.5	1	4
MAY	0	1.0	****	2
YEAR	89	0.5	3	12

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14902 286 PAGET ST. CORUNNA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	697	3	1	0	0	0	0	701
FEB	476	5	0	0	0	0	0	481
MAR	462	3	0	0	0	0	0	465
APR	559	0	0	0	0	0	0	559
MAY	8	0	0	0	0	0	0	8
YEAR	2202	11	1	0	0	0	0	2214

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
60.7	0	0.0	0.0	0.0	0.2	0.9	1.6	2.7	3.8	12	0.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - SW NO 14903						VIRGIL LA SALLE, FROOMFIELD SARNIA						MONTH - SEP 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	2	2	2	1	0	0	0	0	4	2	1	0	0	0	0	0	0	0	0	1
4	0	0	0	0	0	0	1	1	1	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	2	2	1	1	0	0	0	1	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
7																									
8																									
9																									
10																									
11	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	2	2	3	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	1	0	0	1	0	0	1	1	0	0	0	0	2	0	0	0	0	0	0	1	1	0	0
15	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	0	2	1	1	0	0	0	1	0	0
16	0	0	0	0	0	0	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	1	0	1	1	0	0	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	1	1	0	0	0	2	0	0	0	1	1	0	0	0	0	0	0	0	0
19	0	1	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21																									
22																									
23																									
24																									
25																									
26																									
27																									
28																									
29																									
30																									
MEAN	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0.3

PERCENTAGE OF DATA VALID - 49.3

PERCENTAGE OF DATA INVALID - 15.4

PERCENTAGE OF DATA UNAVAILABLE - 35.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *..* INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14903 VIRGIL LA SALLE, FROOMFIELD SARNIA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN				
FEB				
MAR				
APR				
MAY	13	0.6	2	8
JUN	30	0.2	1	4
JUL	31	0.3	1	6
AUG	31	0.1	1	2
SEP	14	0.3	1	4
YEAR	119	0.3	2	8

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 14903 VIRGIL LA SALLE, FROONFIELD SARNIA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	336	6	0	0	0	0	0	342
JUN	713	0	0	0	0	0	0	713
JUL	735	1	0	0	0	0	0	736
AUG	740	0	0	0	0	0	0	740
SEP	355	0	0	0	0	0	0	355
YEAR	2879	7	0	0	0	0	0	2886

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID											
CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT											
MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN	
78.6	0	0.0	0.0	0.0	0.0	0.7	1.0	1.9	2.7	8	0.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
2	1	1	0	0	0	1	2	3	4	4	5	6	3	17	6	5	1	0	0	0	0	0	0	0	3
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	1	1	1	0	0	0
4	0	1	1	0	0	1	2	3	5	2	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1
5	1	2	1	1	....	0	0	0	0	1	0	1	0	0	0	1	1	3	2	6	5	2	3	6	2
6	9	10	6	4	9	5	8	7	5	4	1	1	2	2	1	0	0	0	0	0	0	0	0	0	3
7	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0	0	0	1
8	0	0	0	0	0	0	0	1	2	2	2	2	2	2	2	3	3	4	1	1	1	1	1	1	1
9	0	0	0	0	0	0	0	1	2	2	2	2	2	1	1	2	2	2	2	2	2	2	4	4	1
10	4	6	5	3	2	2	4	4	2	2	2	2	1	1	....	1	1	2	2	2	2	2	3	4	3
11	3	3	2	2	1	1	1	1	2	2	2	2	2	2	3	2	2	2	2	2	1	1	1	1	2
12	1	2	1	1	2	2	1	2	2	2	2	2	2	2	2	2	2	2	2	2	12	24	13	5	3
13	3	2	2	2	2	2	2	2	2	2	3	2	3	2	3	2	2	2	2	2	3	3	2	3	2
14	5	5	2	2	2	2	4	5	10	9	8	5	4	4	3	3	5	5	2	2	2	2	2	1	1
15	1	1	2	2	2	3	3	4	5	4	2	2	2	2	2	2	3	3	2	2	2	2	2	1	2
16	1	1	1	2	1	1	2	2	2	2	2	3	....	3	3	0	....	....	1	2	1	1	2	2	2
17	1	1	0	0	0	0	2	2	2	2	3	3	3	5	5	7	5	4	3	3	2	1	1	1	2
18	1	0	0	0	1	1	3	5	8	3	....	4	4	2	2	3	3	3	2	2	1	1	1	1	2
19	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	1	2	5	2	1	0	0	0	....	1	4	6	13	14	7	3	4	4	3
22	0	0	0	0	0	0	1	2	2	2	3	4	3	3	2	2	2	1	1	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	2	4	3	1	1	0	0	0	0	1	1	1	4	3	2	0	0	1
25	0	0	0	0	0	0	0	0	0	1	1	1	1	0	....	1	3	5	5	7	2	2	5	4	2
26	1	2	1	1	1	1	0	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	1	0	1
27	0	0	0	0	0	0	1	5	4	3	1	0	1	1	0	0	0	1	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	1	....	....	0	0	0	0	0	2	2	4	2	1	4	4	1	1
29	0	0	0	0	0	0	0	2	3	2	0	1	0	0	0	0	1	2	6	2	1	1	1	1	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	1	-	0	0	0	1	0
31	0	0	0	0	0	0	0	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	1	1	1	1	1	2	2	2	2	1	1	1	2	1	2	2	2	3	2	1	1	1	1.5

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "....." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "..." INDICATES DATA IS UNAVAILABLE

3. "....." INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SW NO 15001															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	1	6	9	8	7	5	2	....	2	2	2	3	6	6	5	2	2	4	3	3
2	1	2	1	0	0	0	0	1	2	2	2	1	1	2	3	3	2	0	0	0	0	0	0	0	1
3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	1	0	0	0	0	0
4	0	0	0	0	0	0	1	1	1	1	2	3	....	1	0	0	1	1	1	0	1	0	0	0	1
5	2	5	3	1	0	0	0	1	1	1	4	....	....	2	3	3	4	3	1	2	1	2	1	5	2
6	1	1	0	0	0	0	0	1	1	1	2	3	4	3	2	2	5	3	3	2	2	3	2	2	2
7	2	3	2	3	3	2	2	3	4	6	9	10	17	21	24	10	8	6	4	3	2	2	2	3	6
8	4	7	5	5	2	3	5	3	3	2	2	2	2	3	4	3	3	2	1	1	1	1	1	0	3
9	0	0	0	0	0	0	1	5	6	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
10	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
11	0	0	0	0	0	0	2	3	6	4	3	2	2	3	2	2	3	3	3	3	-	-	-	2	2
12	2	2	1	2	1	1	5	8	9	9	6	7	4	5	4	3	....	8	6	4	2	2	2	2	4
13	2	2	1	1	1	0	0	0	0	1	1	1	1	1	1	2	2	1	2	4	3	4	2	1	1
14	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	3	5	6	3	3	1
15	7	6	2	3	3	3	9	18	31	33	24	8	4	....	....	2	4	3	....	2	1	2	4	4	8
16	4	5	5	3	2	1	1	1	2	1	1	1	1	....	....	....	....	....	....	....	....	....	....	....	....
17	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
18	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
19	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
20	1	1	0	0	0	0	0	1	2	2	2	2	1	2	1	2	2	1	2	1	1	1	1	2	1
21	2	2	1	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	3	3	6	1
22	8	3	5	5	4	5	8	13	11	8	7	7	5	3	3	4	5	3	3	3	4	7	7	8	6
23	7	7	6	3	3	2	3	8	8	....	6	6	4	4	4	6	6	5	....	6	4	3	3	3	5
24	3	3	0	0	3	4	4	4	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	1
25	0	0	0	0	1	0	3	0	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
26	0	0	0	0	0	0	0	2	1	1	2	2	3	2	2	2	3	5	1	2	1	2	6	9	2
27	10	9	9	13	17	18	20	16	14	11	8	4	3	1	1	1	4	2	5	5	5	4	3	4	8
28	5	7	7	11	9	4	9	13	8	10	10	5	6	5	5	3	3	2	4	6	8	5	7	4	7
29	4	3	3	4	2	2	3	4	7	5	6	....	5	5	6	5	3	2	1	1	1	0	1	0	3
30	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	0	1	1
31	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	-	0
MEAN	2	3	2	2	2	2	3	4	5	4	4	3	3	3	3	2	3	2	2	2	2	2	2	2	2.8

PERCENTAGE OF DATA VALID - 84.0

PERCENTAGE OF DATA INVALID - 14.9

PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001 WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.5	4	24
FEB	29	1.5	6	36
MAR	31	0.6	2	31
APR	30	1.8	8	46
MAY	28	1.3	3	15
JUN	26	1.5	5	18
JUL	31	1.2	4	23
AUG	31	1.0	3	13
SEP	30	2.4	6	44
OCT	31	1.8	8	50
NOV	30	2.5	6	35
DEC	25	2.8	8	33
YEAR	353	1.6	8	50

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SW NO 15001

WESTERN FAIR GROUNDS KING/RECTORY, LONDON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	705	21	5	1	0	0	0	732
FEB	646	29	5	1	1	0	0	682
MAR	724	4	1	0	1	0	0	730
APR	651	23	9	4	3	4	0	694
MAY	637	40	6	0	0	0	0	683
JUN	613	11	7	0	0	0	0	631
JUL	682	21	11	1	0	0	0	715
AUG	717	7	3	0	0	0	0	727
SEP	636	51	15	6	0	1	0	709
OCT	685	30	13	2	0	1	0	731
NOV	617	65	25	2	1	0	0	710
DEC	539	68	13	3	2	0	0	625
YEAR	7852	370	113	20	8	6	0	8369

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID

MIN

10

30

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH
MEAN

95.3

0

0.0

0.0

0.4

1.1

3.6

5.7

9.5

12.8

50

1.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	1	2	2	1	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	1	1	0	0	0	0	1	1	2	1	1	0	***	1	1	1	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0
10	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
15	1	1	0	0	0	0	0	0	0	1	2	1	0	1	0	0	0	0	0	0	0	0	0	1	1
16	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	0	0	0	0	0	0	0	0	0
18	0	0	0	0	1	0	0	0	1	1	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	0	0	1	***	1	0	0	0	0	0	0	0	0	0	0	0	0	1	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 22071												EXPERIMENTAL FARM SIMCOE														
HOUR DAY													MONTH - DEC 80													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
2	0	0	0	1	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	-----												-----												-----	
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	2	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13													- DATA INVALID -													
14													- DATA INVALID -													
15													- DATA INVALID -													
16	-----												-----													
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
22	1	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
23	3	2	2	2	1	1	1	1	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
24													- DATA INVALID -													
25													- DATA INVALID -													
26													- DATA INVALID -													
27													- DATA INVALID -													
28													- DATA INVALID -													
29													- DATA INVALID -													
30													- DATA INVALID -													
31	- DATA UNAVAILABLE -																									
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 55.6

PERCENTAGE OF DATA INVALID - 39.2

PERCENTAGE OF DATA UNAVAILABLE - 5.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.1	1	2
FEB	29	0.2	1	4
MAR	22	0.2	0	3
APR	24	0.1	0	3
MAY	21	0.1	0	2
JUN	30	0.0	0	4
JUL	31	0.1	0	3
AUG	31	0.1	1	8
SEP	30	0.1	0	2
OCT	31	0.1	1	6
NOV	30	0.1	1	4
DEC	16	0.1	1	3
YEAR	326	0.1	1	8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22071

EXPERIMENTAL FARM SIMCOE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	741	0	0	0	0	0	0	741
FEB	695	0	0	0	0	0	0	695
MAR	553	0	0	0	0	0	0	553
APR	597	0	0	0	0	0	0	597
MAY	529	0	0	0	0	0	0	529
JUN	718	0	0	0	0	0	0	718
JUL	741	0	0	0	0	0	0	741
AUG	737	1	0	0	0	0	0	738
SEP	701	0	0	0	0	0	0	701
OCT	737	1	0	0	0	0	0	738
NOV	714	0	0	0	0	0	0	714
DEC	414	0	0	0	0	0	0	414
YEAR	7877	2	0	0	0	0	0	7879

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	PERCENT 95	98	99	MAX	ARITH MEAN
89.7	0	0.0	0.0	0.0	0.0	0.0	0.5	0.9	1.1	8	0.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086

CHEAPSIDE RD. 3 KM S OF HWY 3, NANTICOKE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0	0	0	0	0	0	0	0
4	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	1	4	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	0	0	0	0	0
26	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0
29	0	1	1	0	0	0	0	1	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0
31	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 93.0

PERCENTAGE OF DATA INVALID - 5.4

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	28	0.1	1	6
FEB	16	0.5	1	3
MAR	30	0.2	1	2
APR	26	0.3	1	2
MAY	26	0.2	1	5
JUN	30	0.0	1	13
JUL	29	0.3	1	2
AUG	31	0.3	1	2
SEP	30	0.0	0	5
OCT	30	0.1	0	4
NOV		DATA UNAVAILABLE		
DEC	26	0.4	2	8
YEAR	302	0.2	2	13

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 22086 CHEAPSIDE RD.3 KM S OF HWY 3, NANTICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	691	1	0	0	0	0	0	692
FEB	403	0	0	0	0	0	0	403
MAR	719	0	0	0	0	0	0	719
APR	643	0	0	0	0	0	0	643
MAY	638	0	0	0	0	0	0	638
JUN	712	1	1	0	0	0	0	714
JUL	708	0	0	0	0	0	0	708
AUG	742	0	0	0	0	0	0	742
SEP	707	0	0	0	0	0	0	707
OCT	712	0	0	0	0	0	0	712
NOV	DATA UNAVAILABLE							712
DEC	640	3	0	0	0	0	0	643
YEAR	7315	5	1	0	0	0	0	7321

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.8	0	0.0	0.0	0.0	0.0	0.5	0.8	1.1	1.7	13	0.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP												UNITS - PARTS/BILLION																							
STATION - NMP NO 22901												LONG PT PROV PK 100M S HWY59												MONTH - JUL 80											
HOURLY DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN										
1	16	16	17	17	17	17	18	19	21	19	20	18	15	14	14	13	12	11	8	5	6	19	22	19	16										
2	18	15	11	11	9	9	11	11	11	9	9	-	-	7	7	9	9	9	9	11	11	11	8	8	10										
3	8	8	8	8	8	9	11	12	12	11	9	6	7	*****	*****	8	8	8	8	9	7	8	8	7	8										
4	13	16	15	16	16	14	11	11	*****	*****	*****	9	-	-	-	-	-	-	5	5	5	5	5	5	*****										
5	5	5	6	6	6	6	6	6	6	6	6	6	6	5	5	5	5	5	5	5	5	5	5	5	5										
6	5	5	5	5	5	6	6	6	5	3	3	3	3	2	2	2	3	3	3	4	5	5	6	5	4										
7	5	7	7	7	7	18	27	23	14	13	13	12	12	11	11	13	12	12	12	12	13	12	12	14	12										
8	13	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****										
9	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****										
10	7	6	5	5	4	5	5	5	5	5	5	5	6	6	9	11	13	13	15	18	24	33	35	27	11										
11	23	18	17	17	16	13	11	11	11	11	12	13	-	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****										
12													-	DATA INVALID	-																				
13													-	DATA INVALID	-																				
14													-	DATA INVALID	-																				
15													-	DATA INVALID	-																				
16													-	DATA INVALID	-																				
17													-	DATA INVALID	-																				
18													-	DATA INVALID	-																				
19													-	DATA INVALID	-																				
20													-	DATA INVALID	-																				
21													-	DATA INVALID	-																				
22													-	DATA INVALID	-																				
23													-	DATA INVALID	-																				
24													-	DATA INVALID	-																				
25													-	DATA INVALID	-																				
26													-	DATA INVALID	-																				
27													-	DATA INVALID	-																				
28													-	DATA INVALID	-																				
29													-	DATA INVALID	-																				
30													-	DATA INVALID	-																				
31													-	DATA INVALID	-																				
MEAN	11	11	10	10	10	11	12	12	11	10	10	9	8	8	8	9	9	9	8	9	10	12	12	11	10.0										

PERCENTAGE OF DATA VALID - 26.2

PERCENTAGE OF DATA INVALID - 72.6

PERCENTAGE OF DATA UNAVAILABLE - 1.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22901 LONG PT PROV PK 100M S HWY59

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	4.3	9	21
FEB	29	4.8	12	43
MAR	31	5.8	9	17
APR	26	4.8	10	23
MAY	31	7.1	20	27
JUN	30	13.9	43	69
JUL	7	10.0	16	35
AUG		DATA UNAVAILABLE		
SEP		DATA UNAVAILABLE		
OCT		DATA UNAVAILABLE		
YEAR	185	6.9	43	69

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22901

LONG PT PROV PK 100M S HWY59

MONTH	00 TO 50	51 TO 100	101 TO 200	201 TO 300	301 TO 400	401 TO 500	501 & OVER	TOTAL
JAN	730	0	0	0	0	0	0	730
FEB	689	0	0	0	0	0	0	689
MAR	739	0	0	0	0	0	0	739
APR	642	0	0	0	0	0	0	642
MAY	729	0	0	0	0	0	0	729
JUN	695	5	0	0	0	0	0	700
JUL	195	0	0	0	0	0	0	195
AUG	DATA UNAVAILABLE							
SEP	DATA UNAVAILABLE							
OCT	DATA UNAVAILABLE							
YEAR	4419	5	0	0	0	0	0	4424

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
86.5	0	2.2	3.4	4.8	6.6	12.5	18.7	23.5	31.6	69	6.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22902

TYNESIDE/CHIPPEWA RD BINBROOKE WEST

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	1	1	0	0	0	0	0	1	1	0	1	1	2	2	0	1	0	1	1	1	1	1
2	1	1	1	1	1	1	3	8	15	13	12	8	8	-	8	7	3	3	1	1	2	2	0	0	4
3	0	0	0	0	0	0	0	1	4	9	13	16	22	17	8	5	2	0	6	15	22	26	31	28	9
4	11	12	10	31	42	33	23	18	21	4	4	4	5	5	5	4	4	3	2	2	2	2	3	4	11
5	3	3	3	3	3	3	3	2	5	17	23	7	6	5	5	5	4	3	5	5	2	3	3	4	5
6	19	21	27	30	30	25	10	2	3	3	3	3	3	3	19	4	2	1	1	0	0	2	2	3	9
7	2	3	4	3	10	6	3	3	3	1	2	2	2	2	2	-	2	1	0	1	1	0	1	0	2
8	1	0	0	1	1	0	0	1	1	2	4	4	5	4	4	5	4	3	2	2	1	2	1	2	2
9	2	2	1	1	1	1	1	2	2	4	4	2	5	4	3	2	1	1	0	1	0	0	1	1	2
10	2	0	1	1	1	2	1	1	8	8	8	7	5	6	3	2	2	5	4	7	2	3	3	2	4
11	4	4	4	4	4	4	4	4	4	4	5	5	5	6	10	20	17	4	2	1	0	0	0	0	5
12	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	1	1	1	1	1	1	0	2	3	7	4	3	2	2	2	2	0	0	0	0	0	0	0	1
14	0	0	0	0	0	0	0	0	0	2	4	2	1	1	1	1	3	1	0	0	22	16	9	0	3
15	0	0	0	0	0	5	7	20	32	38	43	-	-	2	2	2	0	0	0	0	0	0	1	1	7
16	1	1	0	1	0	1	1	1	2	5	7	7	6	5	4	3	2	2	1	2	3	4	5	12	3
17	16	15	13	11	9	2	1	0	0	2	2	3	4	5	6	5	4	4	2	1	2	2	2	2	5
18	1	2	2	1	2	2	2	3	6	6	9	9	8	8	8	7	3	0	0	1	0	0	1	1	3
19	1	1	1	0	1	1	1	1	1	0	0	1	2	2	2	2	2	1	1	1	1	1	1	1	1
20	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	0	1	2	2	1
21	1	1	1	1	1	1	0	0	1	1	1	2	2	2	2	2	2	3	4	2	3	3	2	2	2
22	1	1	1	1	1	1	2	2	3	3	3	4	6	5	5	4	3	2	2	3	3	3	3	3	3
23	2	2	1	1	1	1	0	1	2	2	1	2	2	1	0	1	1	0	0	1	1	0	0	0	1
24	0	0	0	0	0	0	1	1	2	3	3	-	3	2	2	2	3	4	2	2	3	11	10	4	3
25	5	7	4	2	2	2	2	2	3	5	8	9	9	9	9	12	11	4	2	1	0	0	0	0	5
26	0	0	0	0	0	0	0	1	1	3	3	2	2	2	3	1	1	0	0	0	0	0	0	0	1
27	0	0	0	0	0	0	0	0	1	1	1	2	2	2	1	0	1	0	0	1	0	0	0	0	0
28	0	0	0	0	0	0	0	0	1	2	3	3	3	3	3	1	0	1	1	1	0	0	0	0	1
29	0	0	0	0	0	0	1	2	5	7	8	4	4	3	-	2	2	1	1	1	0	0	1	0	2
30	0	0	0	0	0	0	1	3	4	4	26	11	6	4	4	3	2	3	0	1	1	1	1	1	3
31	1	0	0	0	0	0	1	3	5	6	-	7	4	3	2	3	3	1	1	1	0	0	1	1	2
MEAN	2	3	2	3	4	3	2	3	4	5	7	5	4	4	4	4	3	2	1	2	2	3	3	2	3.2

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP											UNITS - PARTS/BILLION														
STATION - NMP NO 22902 TYNESIDE/CHIPPEWA RD BINBROOKE WEST											MONTH - DEC 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1																									
2																									
3																									
4																									
5																									
6																									
7																									
8																									
9																									
10																									
11																									
12																									
13																									
14																									
15																									
16																									
17																									
18																									
19	2	2	3	2	1	1	0	0	1	1	4	5	3	4	0	0	1	0	0	0	0	3	2	2	*****
20	1	0	0	0	0	0	0	0	5	3	2	2	3	4	0	2	1	1	1	2	1	1	1	0	1
21	0	0	0	0	0	0	0	0	0	2	3	2	1	1	0	0	0	0	0	2	2	2	1	1	1
22	1	1	1	1	1	1	1	1	1	3	7	5	6	7	5	3	2	2	2	2	2	2	2	1	1
23	8	16	13	17	24	19	18	15	19	16	15	14	16	12	9	7	6	5	4	5	6	5	11	6	3
24	5	6	6	9	11	12	13	13	14	17	8	4	5	5	5	3	1	1	0	0	0	0	0	3	6
25	2	4	5	4	3	3	2	2	6	10	7	6	6	4	4	4	0	1	1	2	1	1	1	2	3
26	1	1	1	1	2	3	2	2	3	5	5	5	7	6	7	4	3	3	6	1	2	2	3	5	3
27	5	4	3	4	4	3	4	11	23	26	42	37	26	22	14	9	8	7	13	85	149	98	63	45	29
28	19	17	19	18	11	17	25	30	41	29	17	11	13	14	12	12	7	7	9	13	16	15	14	13	17
29	7	4	4	4	4	3	16	17	21	19	21	27	37	60	63	47	29	52	48	35	20	16	12	7	24
30	8	4	4	4	4	4	4	5	12	24	30	44	35	30	30	30	40	53	30	25	26	38	47	44	24
31	58	22	68	49	21	9	1	3	4	4	4	9	8	8	7	6	6	4	4	5	6	6	6	6	14
MEAN	9	6	10	9	7	6	7	8	12	13	13	13	13	14	12	10	9	11	9	14	18	14	12	10	10.6

PERCENTAGE OF DATA VALID - 42.1

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 57.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22902

TYNESIDE/CHIPPEWA RD BINBROOKE WEST

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	3.2	11	43
FEB	29	3.6	13	42
MAR	31	2.8	7	38
APR	28	3.7	8	44
MAY	28	5.2	11	30
JUN	29	3.6	11	31
JUL	24	8.1	20	38
AUG	29	6.7	23	28
SEP	26	7.3	19	45
OCT	31	4.3	13	48
NOV	25	3.6	13	49
DEC	13	10.6	29	149
YEAR	324	4.9	29	149

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22902

TYNESIDE/CHIPPEWA RD BINBROOKE WEST

MONTH	00 TO 50	51 TO100	101TO200	201TO300	301TO400	401TO500	501&OVER	TOTAL
JAN	737	0	0	0	0	0	0	737
FEB	688	0	0	0	0	0	0	688
MAR	741	0	0	0	0	0	0	741
APR	676	0	0	0	0	0	0	676
MAY	687	0	0	0	0	0	0	687
JUN	706	0	0	0	0	0	0	706
JUL	610	0	0	0	0	0	0	610
AUG	692	0	0	0	0	0	0	692
SEP	655	0	0	0	0	0	0	655
OCT	740	0	0	0	0	0	0	740
NOV	607	0	0	0	0	0	0	607
DEC	303	9	1	0	0	0	0	313
YEAR	7842	9	1	0	0	0	0	7852

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
89.4	0	0.0	1.1	2.7	4.8	10.7	15.5	23.3	29.5	149	4.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22906

SANDUSK RD BTWN WALPOLE CONC 4/5.SANDUSK

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	7	11	9	8	8	9	11	11	8	10	9	9	9	9	9	10	12	8	6	7	10	7	6	9
2	6	9	7	6	5	8	12	31	27	24	19	11	14	14	13	19	31	15	14	6	5	5	5	5	13
3	5	5	5	4	5	5	5	4	5	9	9	11	13	15	13	14	9	7	6	5	5	5	5	7	7
4	8	14	17	18	24	22	15	8	10	11	9	8	11	9	8	7	7	7	5	5	5	5	5	5	10
5	5	5	5	6	6	6	6	6	6	6	8	7	5	5	5	5	5	5	5	18	23	9	11	7	
6	16	15	9	8	10	34	19	21	9	8	7	8	10	9	17	11	8	7	11	13	11	9	6	12	
7	8	16	7	9	6	6	7	6	8	6	6	7	6	7	5	6	5	4	3	2	2	3	0	6	
8	3	2	3	1	2	3	4	6	8	9	9	8	8	9	11	8	6	4	6	8	4	5	2	4	
9	5	4	4	5	7	8	18	10	9	8	7	7	8	10	10	13	8	8	9	7	7	6	7	8	
10	17	15	3	3	3	4	4	4	4	5	5	7	7	7	5	5	5	5	4	4	6	6	6	9	
11	8	7	7	7	11	12	9	20	12	9	42	67	51	15	17	18	10	7	6	5	6	6	5	5	
12	5	8	7	3	5	4	4	4	4	5	5	5	5	5	4	5	4	4	5	8	9	7	10	6	
13	5	7	6	8	5	7	5	5	5	9	8	9	9	9	15	11	6	7	5	7	17	13	32	5	
14	23	16	6	8	6	6	8	22	14	12	12	17	21	18	23	18	116	28	4	4	3	9	9	5	
15	5	5	5	5	5	5	6	10	15	17	14	6	9	7	7	-	-	4	3	2	2	1	3	3	
16	3	3	3	3	3	4	4	4	5	7	10	9	6	7	10	8	4	3	3	3	2	2	3	5	
17	8	7	5	6	5	4	8	44	22	17	23	6	8	11	13	14	20	6	1	3	3	5	4	4	
18	2	6	6	7	7	9	14	11	9	9	14	14	11	13	14	13	10	4	6	7	5	4	7		
19	6	3	1	1	1	3	4	3	2	3	2	3	6	5	3	4	3	5	7	3	1	2	1		
20	2	1	2	1	1	2	3	3	1	1	1	2	3	2	3	4	5	4	2	3	5	3	2	5	
21	3	1	3	1	2	3	4	10	6	7	8	7	6	7	13	8	9	8	4	5	1	2	3	0	
22	7	4	6	8	5	6	9	18	10	9	10	8	8	11	9	11	11	7	5	6	7	7	5	3	
23	4	3	5	3	2	3	9	8	4	5	8	6	7	7	7	8	5	4	3	3	3	3	4	3	
24	4	3	5	6	3	5	6	9	8	6	5	5	9	14	12	20	37	26	4	11	7	5	5	4	
25	5	5	6	6	6	6	6	6	6	7	9	11	12	11	12	36	63	16	13	11	10	10	8	12	
26	7	6	6	7	9	5	6	5	8	8	8	10	7	7	8	7	6	8	5	7	6	4	6	7	
27	9	7	7	9	10	7	9	12	5	7	8	9	8	7	6	7	11	13	6	6	11	10	6	8	
28	7	9	5	4	5	5	7	9	8	7	7	8	11	11	11	11	9	8	7	11	11	10	10	8	
29	4	6	9	8	7	8	9	10	13	13	11	10	9	8	10	11	-	7	5	8	10	8	6	9	
30	13	4	3	5	5	6	18	73	20	13	11	12	13	15	13	11	36	14	22	13	10	4	6	3	
31	5	5	5	5	7	6	7	9	7	14	16	11	11	18	19	16	45	14	13	10	11	7	9	8	
MEAN	7	7	6	6	6	7	8	13	9	9	10	10	10	10	10	11	17	9	7	7	7	7	5	5	
																								8.5	

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22906

SANDUSK RD BTWN WALPOLE CONC 4/5.SANDUSK

MONTH - DEC 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
3	5	5	4	3	2	4	5	11	11	6	10	9	8	7	8	9	16	11	11	8	10	7	7	7	8
4	7	7	6	8	7	6	4	8	18	9	7	7	6	6	6	6	5	5	4	4	5	5	5	7	7
5	5	5	5	4	5	6	4	4	6	6	6	9	15	6	-	-	-	-	-	-	-	-	-	-	-
6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13	6	6	6	5	4	7	3	5	5	5	6	6	8	7	6	6	6	5	8	8	6	6	5	7	6
14	4	4	4	5	4	5	5	6	5	4	4	4	5	5	5	5	5	5	6	8	7	6	9	9	5
15	8	6	5	7	8	8	15	92	39	14	11	11	13	19	-	-	-	-	4	4	5	5	5	79	134
16	141	92	63	39	17	12	22	20	19	27	26	19	15	10	7	9	7	9	7	12	9	8	5	9	25
17	8	8	4	6	6	6	8	6	11	13	16	22	16	17	-	-	14	6	5	4	5	5	4	4	9
18	-	-	-	-	6	4	4	7	11	12	11	8	8	10	11	11	11	7	8	7	7	8	7	4	8
19	4	5	5	5	5	5	5	8	9	8	9	10	9	9	9	10	7	7	8	7	6	6	4	6	7
20	5	3	5	4	5	5	5	6	7	7	7	8	8	6	6	6	6	7	7	6	6	6	6	7	6
21	5	4	4	4	4	5	3	4	6	7	7	9	5	5	5	6	7	7	6	6	4	7	7	9	6
22	4	5	12	13	9	22	9	18	30	43	11	6	8	15	19	-	22	13	12	11	8	12	22	25	15
23	23	20	21	19	21	18	16	13	12	18	22	17	14	11	10	10	12	7	5	5	6	6	6	6	13
24	4	4	4	6	5	7	8	12	12	22	12	8	9	6	8	9	8	8	7	5	6	4	3	3	8
25	4	4	5	5	5	6	4	6	8	8	8	8	6	5	5	4	5	4	4	4	5	6	8	7	6
26	6	6	6	6	6	5	5	6	6	7	10	9	10	11	10	10	6	6	5	8	8	9	12	10	8
27	9	8	10	13	19	20	17	28	31	33	33	41	27	15	13	10	9	5	3	5	5	6	9	29	17
28	30	26	23	21	30	27	24	41	62	27	12	11	14	15	20	21	16	11	13	19	15	12	11	14	21
29	13	13	6	11	11	10	7	11	11	11	31	25	36	23	23	24	-	42	35	42	35	12	5	4	20
30	5	5	5	5	4	6	4	5	6	13	24	29	30	26	19	18	14	15	37	28	37	37	20	27	17
31	31	42	37	31	12	5	5	5	9	12	15	8	6	7	8	8	4	4	4	4	4	4	4	4	11
MEAN	16	13	11	10	9	9	8	15	15	15	13	13	12	11	10	10	10	9	9	10	9	8	11	15	11.4

PERCENTAGE OF DATA VALID - 70.2

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 29.8

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "--" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22906

SANDUSK RD BTWN WALPOLE CONC 4/5.SANDUSK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	8.5	17	116
FEB	29	8.6	14	81
MAR	22	6.3	12	39
APR	30	7.4	13	46
MAY	31	11.0	16	59
JUN	22	8.9	14	62
JUL	1	8.8	7	17
AUG	14	8.6	13	38
SEP	28	9.5	18	82
OCT	30	8.2	13	42
NOV	24	10.3	21	77
DEC	21	11.4	25	141
YEAR	283	9.0	25	141

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE-CHEMILUMINESCENT-NEMP

UNITS - PARTS/BILLION

STATION - NMP NO 22906

SANDUSK RD BTWN WALPOLE CONC 4/5, SANDUSK

MONTH	00 TO 50	51 TO 100	101 TO 200	201 TO 300	301 TO 400	401 TO 500	501 & OVER	TOTAL
JAN	736	4	1	0	0	0	0	741
FEB	686	2	0	0	0	0	0	688
MAR	540	0	0	0	0	0	0	540
APR	713	0	0	0	0	0	0	713
MAY	741	1	0	0	0	0	0	742
JUN	538	1	0	0	0	0	0	539
JUL	33	0	0	0	0	0	0	33
AUG	438	0	0	0	0	0	0	438
SEP	663	7	0	0	0	0	0	670
OCT	722	0	0	0	0	0	0	722
NOV	594	4	0	0	0	0	0	598
DEC	515	5	2	0	0	0	0	522
YEAR	6919	24	3	0	0	0	0	6946

FREQUENCY DISTRIBUTION BY PERCENTILES

 PERCENT
OF DATA
VALID

CONCENTRATIONS

FREQUENCY DISTRIBUTION, PERCENT

ALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
79.1	0	3.5	5.4	7.0	8.9	14.3	18.7	26.6	35.8	141	9.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029

TRAILER EDNA/FREDERICK ST

KITCHENER

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	9	9	8	3	3	3	3	2	2	2	1	3	1	1	1	1	1	1	2	3	3	2	2	3
2	2	1	1	1	1	1	1	2	3	4	5	5	6	13	22	21	26	28	15	14	11	9	3	1	8
3	1	1	1	1	1	1	5	7	36	27	16	13	13	****	****	****	22	41	37	27	26	20	11	12	15
4	12	6	3	2	1	4	13	27	33	25	15	****	****	7	10	11	15	18	15	11	7	4	3	4	11
5	4	3	2	2	1	1	2	2	3	6	8	9	10	11	13	13	15	25	28	18	5	6	7	9	8
6	10	31	33	18	16	16	12	10	14	11	11	7	4	3	4	2	2	5	5	7	6	6	4	3	10
7	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0	0	0	0	0	****	****	0	1	2	1	1	1	1	0	0	0	0	0
9	0	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	5	8	3	4	4	19	31	40	25	17	18	16	15	13	15	18	18	17	14	13	15	17	16	15
11	****	7	4	3	2	1	1	1	1	0	1	1	****	1	1	1	1	1	0	0	0	0	1	1	1
12	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0
13	1	1	2	2	2	1	1	****	****	****	****	****	****	****	****	4	5	5	3	3	2	2	1	0	2
14	0	0	0	0	0	0	0	1	2	3	2	2	3	4	8	15	12	29	25	17	12	****	11	6	7
15	3	2	1	1	1	7	22	****	57	****	23	55	****	6	9	11	19	****	****	10	6	4	5	6	13
16	2	0	0	0	1	1	2	6	15	12	12	5	****	8	8	8	8	7	5	3	2	2	1	1	8
17	3	2	1	1	1	3	21	34	39	24	9	8	8	8	8	7	5	3	2	2	1	1	1	1	8
18	1	0	0	0	0	0	1	1	2	3	3	****	****	2	2	2	2	2	2	1	1	2	1	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	17	12	7	1	1	1	2
22	1	1	1	1	0	0	0	0	0	0	****	2	1	1	2	2	1	1	1	0	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	20	22	10	2	2	3	5	14	34	25	19	****	****	24	7	3	4	3	2	2	3	3	1	1	10
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	1	0	0	0	1	1	2	6	3	2	4	****	****	0	0	1	2	2	0	0	0	0	0	0
30	0	0	****	****	****	****	****	0	2	1	1	4	****	****	****	****	3	6	5	3	2	1	0	1	2
31	****	****	****	****	****	****	****	****	****	****	****	****	****	6	2	2	1	2	3	3	6	8	8	9	****
MEAN	2	3	3	2	1	2	4	5	10	6	5	4	5	4	4	4	6	7	7	6	4	3	3	3	4.3

PERCENTAGE OF DATA VALID - 91.7

PERCENTAGE OF DATA INVALID - 8.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	29	4.3	15	57
FEB	29	6.2	23	84
MAR	23	4.0	26	63
APR	28	4.8	17	77
MAY	20	4.6	13	28
JUN	30	1.6	9	46
JUL	31	0.7	6	24
AUG	31	2.7	8	39
SEP	30	4.3	14	48
OCT	31	5.1	24	61
NOV	6	1.7	4	23
DEC		DATA UNAVAILABLE		
YEAR	288	3.7	26	84

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 26029 TRAILER EDNA/FREDERICK ST KITCHENER

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	526	57	63	23	10	1	2	682
FEB	498	58	68	36	19	1	10	690
MAR	444	54	42	8	5	5	4	562
APR	482	100	82	10	3	2	3	682
MAY	377	51	51	12	0	0	0	491
JUN	642	38	20	9	2	1	0	712
JUL	708	20	7	2	0	0	0	737
AUG	607	91	26	5	6	0	0	735
SEP	553	64	68	22	6	3	0	716
OCT	551	50	83	36	13	2	4	739
NOV	142	3	4	2	0	0	0	151
DEC	DATA UNAVAILABLE							
YEAR	5530	586	514	165	64	15	23	6897

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
85.8	0	0.0	0.0	0.5	2.4	11.0	17.3	26.6	33.8	84	3.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.6	4	15
FEB	29	1.9	6	32
MAR	29	0.9	4	13
APR	30	0.7	3	11
MAY	31	0.6	7	41
JUN	27	0.3	2	17
JUL	31	0.3	2	6
AUG	31	0.3	2	13
SEP	30	0.6	3	16
OCT	25	1.1	7	36
NOV	30	1.3	6	35
DEC	31	1.4	10	21
YEAR	355	0.9	10	41

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 27037 NORTH/GENEVA STREET, ST. CATHARINES

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	707	24	4	0	0	0	0	735
FEB	649	26	11	0	1	0	0	687
MAR	693	12	2	0	0	0	0	707
APR	706	10	1	0	0	0	0	717
MAY	719	8	5	1	1	1	0	735
JUN	654	4	6	0	0	0	0	664
JUL	730	5	0	0	0	0	0	735
AUG	720	9	2	0	0	0	0	731
SEP	689	17	3	0	0	0	0	709
OCT	592	21	9	3	1	0	0	626
NOV	674	25	10	2	1	0	0	712
DEC	674	46	15	1	0	0	0	736
YEAR	8207	207	68	7	4	1	0	8494

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
96.7	0	0.0	0.0	0.0	0.3	2.0	3.7	6.9	9.8	41	0.9

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 29008		NORTH PARK HAMILTON												MONTH - JAN 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	4	6	3	1	0	0	1	1	2	7	6	8	12	15	15	13	13	16	13	11	11	8	5	7
2	3	4	3	3	5	10	15	15	14	14	19	20	25	3	0	0	0	0	0	0	0	0	0	1	7
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7
4	0	1	3	1	1	1	3	6	8	6	6	0	0	0	0	0	0	0	0	0	0	0	0	0	7
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
6	0	0	1	0	0	2	2	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	3	2	1	1	1	2	5	9	10	10	0	0	0	1	4	1	0	0	0	0	0	0	0	0	0
8	5	4	4	1	1	2	11	16	17	12	11	11	12	12	13	13	9	8	7	7	7	4	4	4	7
9	7	4	3	2	3	6	16	23	24	21	18	11	12	12	13	16	18	18	15	12	10	9	9	9	10
10	10	5	4	7	7	7	19	17	6	1	0	0	0	0	0	0	1	0	0	0	0	0	4	15	11
11	1	1	0	0	6	7	11	11	11	10	8	8	8	10	11	11	8	5	7	8	7	3	4	7	4
12	4	3	2	2	0	0	0	1	4	6	6	6	5	4	6	7	8	9	7	9	8	8	10	5	7
13	7	11	8	3	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5
14	4	1	1	1	3	4	12	20	23	22	20	17	24	26	35	3	0	11	16	15	9	7	7	5	11
15	0	0	0	0	0	0	2	3	5	7	7	5	0	0	0	0	0	0	0	0	0	0	0	0	11
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	3	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	9	9	8	9	9	10	16	22	23	20	17	22	20	22	23	18	20	15	14	12	10	11	9	9	9
19	6	6	2	0	0	0	1	4	8	5	6	8	9	8	9	9	9	8	6	5	4	6	6	3	15
20	4	1	1	0	0	0	0	0	0	1	4	7	8	10	13	11	9	7	6	6	4	5	10	11	5
21	6	5	3	1	0	2	8	18	18	13	14	13	13	12	13	14	17	21	18	13	12	14	13	13	11
22	10	8	7	5	4	5	11	16	23	17	15	16	14	15	16	17	18	18	13	11	9	8	9	11	12
23	5	5	1	0	0	1	5	12	16	10	7	8	8	7	7	7	8	10	6	4	2	2	2	3	5
24	2	1	1	1	3	4	9	15	14	10	9	10	10	11	17	19	23	20	14	13	14	11	11	6	10
25	9	5	5	6	9	2	22	11	24	5	2	0	0	0	1	10	37	22	15	12	7	7	6	9	9
26	9	7	6	5	5	5	7	7	7	8	9	10	10	11	9	8	9	8	8	6	5	4	4	5	7
27	3	3	3	1	0	0	0	3	2	5	6	6	8	14	12	11	11	11	9	8	4	3	8	6	6
28	6	4	3	3	5	6	11	17	17	9	8	10	10	9	11	14	16	16	11	9	9	8	8	8	10
29	7	7	6	6	7	9	16	22	23	18	17	22	26	21	18	14	15	19	12	10	5	4	5	13	13
30	3	2	1	0	1	3	17	11	0	15	5	8	16	11	18	22	17	19	13	4	3	6	2	9	9
31	2	0	1	2	1	0	1	1	9	14	3	0	8	9	2	1	3	7	6	5	6	0	0	1	3
MEAN	4	3	3	2	3	3	7	9	10	9	7	8	8	9	10	11	11	10	8	7	6	5	5	5	6.7

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - WC NO 29008		NORTH PARK HAMILTON												MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	2	2	17	21	7	***	9	***	17	18	18	15	15	18	12	10	7	6	5	6	10
2	8	3	2	1	1	2	5	8	11	13	12	12	11	11	11	11	10	8	12	8	6	4	2	2	7
3	3	2	1	0	0	0	0	1	1	1	2	3	5	7	6	8	8	7	8	8	7	10	13	11	5
4	7	3	2	0	1	4	13	19	20	15	18	20	19	***	16	15	13	13	10	10	9	8	10	5	11
5	5	4	2	2	2	5	15	22	24	24	28	27	24	22	20	24	-	-	27	28	1	11	16	2	15
6	7	1	4	0	0	4	9	4	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	1	2
7	1	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	5	4	2	1	2	4	11	16	21	24	27	21	5	24	23	7	22	18	14	20	19	12	14	15	14
9	6	8	8	2	2	5	6	10	12	15	6	0	0	0	0	0	0	0	0	0	0	6	5	11	4
10	5	4	3	0	0	0	2	2	6	5	0	0	0	0	8	9	8	12	14	16	11	11	12	8	6
11	4	2	4	4	3	5	12	19	22	17	14	12	11	11	14	14	21	18	10	8	6	6	8	5	10
12	6	4	5	5	5	4	10	23	17	***	***	11	10	9	10	12	15	10	7	7	8	9	11	10	9
13	8	6	4	5	5	7	16	23	26	20	15	12	9	10	14	13	16	14	12	10	10	10	11	11	12
14	7	6	5	6	5	8	16	26	25	20	15	13	14	12	15	17	23	21	15	18	15	14	11	11	14
15	8	11	8	10	10	10	24	27	35	36	18	9	0	18	0	***	0	0	***	0	0	0	***	0	11
16	0	0	0	0	0	0	0	0	2	9	9	15	12	6	8	10	9	10	13	8	6	4	3	5	5
17	4	5	4	0	0	0	0	0	2	4	4	6	6	6	5	5	7	8	7	8	7	6	6	5	7
18	4	3	3	4	4	6	12	17	16	14	13	9	10	11	13	13	16	14	10	8	5	5	5	5	9
19	5	7	6	5	6	9	18	23	26	22	20	17	13	16	18	20	23	28	22	21	13	7	4	1	15
20	0	0	4	3	4	4	10	14	5	2	1	0	1	24	33	36	29	24	19	14	13	12	12	11	11
21	11	9	6	5	5	8	20	34	52	43	30	29	9	0	1	2	3	0	0	0	0	0	0	0	11
22	0	0	0	0	0	0	0	0	0	0	0	0	1	2	***	1	10	5	15	11	10	7	4	3	3
23	2	2	1	0	0	0	3	9	11	1	0	0	0	0	0	0	0	0	0	1	2	10	12	2	2
24	5	5	4	4	5	3	4	5	5	3	2	2	3	3	5	6	7	8	10	10	10	9	9	4	5
25	2	2	1	1	2	7	19	22	28	10	***	0	0	0	0	0	0	0	0	0	0	0	0	0	4
26	0	0	0	0	0	0	5	13	12	3	2	9	8	13	12	13	18	14	11	8	7	7	6	5	7
27	4	2	1	3	4	4	***	16	20	16	10	9	6	7	7	9	8	8	7	5	4	3	3	4	7
28	2	3	2	0	0	0	0	0	0	1	2	0	7	3	3	1	0	5	8	7	7	4	1	0	2
29	0	0	0	0	1	2	11	17	19	14	7	13	13	14	14	13	11	9	7	7	9	6	5	9	9
MEAN	4	3	3	2	3	3	9	13	15	12	10	9	7	9	10	11	11	10	10	10	7	7	7	6	8.0

PERCENTAGE OF DATA VALID - 97.8

PERCENTAGE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON												MONTH - MAR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	3	2	1	1	0	1	1	4	3	0	0	0	3	8	2	3	1	4	3	1	0	2	2	2	
2	1	1	2	0	0	0	0	1	2	5	9	9	10	11	8	10	9	9	10	7	9	10	11	10	6	
3	8	5	5	5	4	7	13	21	17	14	14	13	11	10	11	13	----	13	8	7	6	5	5	6	10	
4	4	3	2	3	4	7	15	20	19	14	16	17	15	14	----	17	17	16	15	12	17	21	19	15	13	
5	9	8	4	6	1	0	0	1	0	1	1	12	23	----	13	11	10	6	4	2	4	7	6	6	13	
6	2	0	0	0	1	4	10	16	18	13	13	12	10	12	13	15	18	16	14	21	20	18	11	13	11	
7	3	11	11	9	15	9	16	29	24	22	----	20	16	16	24	23	32	26	1	0	0	0	0	0	13	
8	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	4	1	1	0	1	0	
9	1	0	0	0	0	1	1	1	2	1	4	5	9	9	5	5	6	6	7	8	8	7	9	11	4	
10	5	2	1	2	2	4	11	18	20	15	11	12	9	10	11	11	17	15	9	7	3	1	1	1	8	
11	1	0	1	1	1	1	5	9	7	5	4	5	4	4	5	5	6	6	4	3	2	2	2	2	4	
12	1	1	0	0	0	5	13	22	9	3	15	0	0	0	0	0	1	0	0	0	0	0	0	0	3	
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
14	0	0	0	0	0	13	27	21	16	----	9	9	8	8	10	9	8	8	8	8	5	3	2	3	8	
15	2	1	0	0	0	0	3	6	7	9	9	10	11	7	12	13	12	12	14	9	1	0	0	0	6	
16	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	0	0	0	0	0	0	0	2	5	15	19	16	16	20	20	24	20	15	13	9	3	3	2	2	9	
18	1	0	0	0	0	0	3	7	9	7	7	6	5	6	7	7	7	7	7	8	8	9	7	9	5	
19	7	4	4	2	3	6	15	22	21	16	15	17	15	14	16	17	23	27	25	6	2	1	0	0	12	
20	8	5	6	6	6	9	19	27	23	18	16	14	13	----	12	12	18	24	28	1	0	0	0	5	12	
21	0	0	0	0	0	0	0	0	0	0	0	17	25	16	10	9	4	5	4	3	2	1	1	4	5	
22	1	0	0	0	0	0	1	3	4	6	7	9	9	11	10	12	11	11	0	0	3	0	5	7	4	
23	8	5	3	0	0	0	2	5	4	6	10	12	15	20	19	20	23	0	0	0	0	0	0	0	6	
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
25	0	4	5	1	2	3	10	19	17	15	11	11	10	9	11	12	14	15	11	10	5	5	5	5	9	
26	3	2	2	2	2	5	17	27	23	0	0	0	0	0	0	0	0	0	0	5	17	12	8	1	0	5
27	0	0	0	0	0	0	4	4	3	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	
28	0	0	0	0	0	1	6	5	4	3	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
MEAN	2	2	2	1	1	2	6	9	9	7	7	6	7	8	7	8	9	8	6	5	4	3	3	3	5.2	

PERCENTAGE OF DATA VALID - 98.7

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - APR 80															
STATION - WC NO 29008	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	0	0	0	0	1	1	2	1	2	2	1	0	0	0	0	0	0	0	0	10	14	13	13	11	3	
2	8	7	6	4	4	7	17	23	7	26	24	22	21	21	0	6	18	15	10	12	7	0	0	3	11	
3	0	0	0	0	0	3	4	2	1	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
4	0	0	0	0	0	0	6	6	10	11	10	11	10	9	8	5	4	3	2	2	2	1	1	1	4	
5	0	0	0	0	0	0	0	1	2	4	6	6	6	4	4	5	5	5	7	9	10	14	14	17	5	
6	6	2	5	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	4	11	4	0	0	0	5	6	10	1	0	2	
8	0	0	0	0	0	0	17	0	0	0	0	0	0	0	11	0	0	0	0	0	1	3	6	-	2	
9	0	2	1	2	5	6	20	31	26	21	16	14	12	13	17	14	17	8	0	0	0	0	0	11	10	
10	3	2	3	2	1	3	9	17	21	18	23	24	14	15	15	16	17	15	13	9	9	10	7	9	11	
11	6	5	3	4	3	4	11	17	19	15	17	16	14	15	17	16	14	15	15	18	15	9	10	17	12	
12	3	1	2	0	0	0	0	0	0	0	1	1	8	10	8	8	6	3	3	2	3	2	3	5	3	
13	4	1	2	0	0	1	2	2	1	1	3	4	5	6	7	11	11	0	0	1	0	0	0	0	3	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
15	4	3	2	2	---	---	---	---	---	---	12	10	10	10	---	9	12	15	14	12	10	5	3	---	5	
16	3	1	1	0	0	2	10	16	15	15	14	15	11	12	14	17	13	7	9	0	0	0	4	7	8	
17	8	6	2	3	3	5	13	23	24	20	18	19	14	---	11	13	16	15	12	9	8	6	6	8	11	
18	6	6	5	7	6	6	11	19	29	33	4	0	0	0	0	0	0	0	7	16	11	2	1	1	7	
19	1	0	2	10	7	8	10	13	11	0	0	0	0	0	0	2	3	2	4	5	8	7	2	1	4	
20	1	1	1	1	0	0	1	2	3	4	8	1	0	0	0	0	0	0	0	0	4	15	0	2	4	
21	0	2	1	0	1	3	19	10	0	---	---	0	0	0	0	13	23	11	0	0	19	-	-	21	6	
22	22	14	6	3	4	4	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	10	10	10	8	6	8	8	3	
24	6	0	0	1	1	0	0	17	0	-	0	---	-	0	0	0	0	0	0	0	0	0	0	0	1	
25	0	0	0	0	0	1	17	23	24	24	21	6	3	0	12	12	16	12	9	11	10	7	15	12	10	
26	14	13	7	5	4	4	9	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2	3	3	
27	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	1	---	---	---	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	2	2	2	1	2	6	8	7	8	6	5	5	4	5	5	6	5	4	4	4	4	4	5	4.4	

PERCENTAGE OF DATA VALID - 96.8

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 29008											NORTH PARK HAMILTON															
											MONTH - MAY 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	10	9	8	2	1	9	36	37	20	10	1	0	0	0	0	-	8	****	11	14	17	16	19	8	11	
2	2	3	16	7	15	20	26	32	27	26	15	1	0	0	0	1	21	4	12	12	10	8	7	6	11	
3	4	2	3	1	1	3	5	8	11	14	18	16	12	12	6	0	0	0	2	18	13	8	8	7	7	
4	6	4	1	1	1	3	4	7	13	2	1	0	0	5	7	9	9	7	7	9	12	12	7	3	5	
5	4	1	1	1	2	9	15	15	****	10	5	5	4	3	3	4	3	3	5	6	6	4	7	3	5	
6	2	1	1	2	5	11	16	27	18	15	13	0	0	0	0	0	3	6	6	6	8	14	9	0	7	
7	5	2	2	3	3	4	18	9	6	6	6	5	6	8	6	6	6	4	7	7	6	7	9	9	6	
8	8	3	3	3	10	15	20	18	12	11	10	8	9	10	11	12	9	8	10	6	5	4	4	3	9	
9	3	1	1	1	3	12	19	****	9	7	6	6	5	8	11	12	11	11	10	8	7	6	7	7	7	
10	5	4	5	3	5	7	10	14	19	8	0	3	9	8	7	7	9	10	13	4	0	0	0	0	6	
11	5	2	0	0	0	0	0	0	2	4	4	5	4	6	8	8	9	11	20	14	4	24	3	0	6	
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
13	4	1	0	0	0	1	0	1	1	0	1	0	0	0	0	0	0	0	0	6	0	1	0	0	1	
14	0	0	0	0	0	0	6	27	18	14	12	13	13	10	9	18	16	12	9	8	7	9	8	-	9	
15	3	2	1	2	4	14	21	29	19	24	21	17	15	13	17	17	17	17	12	12	17	14	10	8	14	
16	4	3	2	4	6	14	26	34	30	4	0	0	0	0	0	0	0	0	0	3	8	15	32	18	8	
17	7	4	0	0	1	3	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
18	0	0	0	0	0	0	0	0	0	0	6	9	8	7	-	5	6	5	4	5	5	7	4	2	3	
19	1	0	0	0	0	1	3	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
20	0	0	0	0	0	0	1	0	****	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
21	0	0	0	0	0	1	1	1	1	1	0	1	1	1	1	9	18	17	13	11	11	9	7	5	5	
22	2	2	1	1	4	11	17	18	14	15	16	13	14	13	11	10	11	10	11	10	16	12	11	8	11	
23	6	4	2	2	4	18	27	28	28	14	3	3	3	2	1	0	0	0	0	0	4	14	21	8	11	
24	14	18	17	11	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4	
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	14	12	0	4	
26	****	****	****	****	****	****	0	0	0	0	0	12	****	****	****	0	0	0	0	0	0	0	3	****	0	0
27	1	****	2	3	5	15	23	25	2	3	4	0	0	1	12	22	16	15	18	8	9	15	15	8	10	
28	8	1	0	0	0	11	6	2	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	****	0	1	0	0	0	0	0	0	
31	3	1	1	2	1	3	4	6	6	5	5	4	3	4	4	4	5	5	4	3	2	3	4	3	4	
MEAN	4	2	2	2	3	6	10	11	9	6	5	4	4	4	4	5	6	5	6	5	6	7	7	4	5.3	

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 2.4 PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008						NORTH PARK HAMILTON						MONTH - JUN 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	1	0	0	0	1	4	5	7	11	13	8	0	0	0	0	0	0	0	0	0	0	0	0	2	
2	0	0	0	0	0	0	0	0	***	0	0	0	0	***	***	0	8	10	8	13	1	0	0	0	2	
3	0	0	0	0	0	0	0	0	2	3	4	0	0	9	13	15	13	9	7	8	7	6	5	4	4	
4	2	1	2	2	0	8	3	0	0	4	3	2	7	5	14	20	14	0	0	0	13	11	10	8	5	
5	4	2	1	0	0	1	0	0	0	***	***	0	***	***	0	0	0	0	0	0	0	0	0	0	0	
6	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	0	0	1	4	1	6	1	3	10	1	
7	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	9	9	2	1	1	1	1	1	1	2	
8	0	1	0	0	0	0	1	2	3	5	6	8	8	8	7	6	6	7	7	8	9	7	6	5	5	
9	6	5	5	5	11	19	22	25	17	10	9	8	11	13	15	11	10	9	5	5	5	***	5	4	10	
10	4	5	1	2	3	10	17	20	17	17	16	15	12	11	14	16	13	11	10	8	8	7	7	6	10	
11	2	1	2	2	4	14	27	***	***	***	***	***	11	12	14	15	16	16	17	14	3	2	9	11	14	
12	16	9	4	8	11	18	43	21	***	***	***	1	0	4	17	21	21	19	18	15	11	-	-	11	14	
13	5	-	-	2	5	16	24	20	-	-	-	10	12	12	12	12	10	12	***	***	18	8	6	5	11	
14	3	2	1	0	***	***	***	***	***	***	***	7	7	6	5	4	5	5	6	4	5	5	7	9	6	5
15	5	4	1	2	1	1	3	7	10	8	10	4	1	1	1	1	1	0	1	1	0	0	0	0	3	
16	0	0	0	0	0	0	0	0	0	0	***	0	0	0	***	0	0	0	0	0	0	0	0	1	0	
17	0	0	2	3	5	18	31	22	3	5	18	14	5	5	20	20	18	16	10	6	7	7	7	5	10	
18	3	2	2	2	6	13	18	21	21	19	***	***	9	8	8	15	0	0	0	0	0	0	0	0	7	
19	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
20	2	1	1	1	2	7	10	12	10	10	11	11	11	11	13	11	10	11	10	9	8	8	5	5	8	
21	4	2	0	0	1	3	5	8	10	14	19	17	16	11	10	12	15	17	19	19	11	8	8	6	10	
22	8	4	2	1	5	6	6	6	10	15	1	9	8	8	7	8	13	11	14	18	23	13	8	9	9	
23	2	1	0	2	3	12	19	16	17	16	0	0	0	1	7	8	7	6	4	3	5	9	10	10	7	
24	8	0	0	1	5	7	2	0	0	0	0	0	0	0	0	0	-	4	4	7	8	7	4	3	3	
25	1	1	0	1	2	16	22	20	20	14	8	0	0	0	0	8	12	8	7	***	6	8	8	7	7	
26	1	2	0	0	1	8	16	15	11	8	7	6	5	5	4	3	2	2	1	5	0	0	0	4	5	
27	2	11	1	1	3	15	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	***	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
30	1	0	0	0	1	3	6	7	6	9	12	12	12	10	10	11	10	9	8	7	8	9	8	4	7	
MEAN	3	2	1	1	2	7	11	8	7	7	6	4	5	5	7	8	7	6	6	6	6	5	4	4	5.3	

PERCENTAGE OF DATA VALID - 94.2 PERCENTAGE OF DATA INVALID - 4.6 PERCENTAGE OF DATA UNAVAILABLE - 1.3

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT										UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 29008 NORTH PARK HAMILTON										MONTH - JUL 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	1	1	1	2	8	11	14	18	12	12	11	6	6	8	10	7	6	9	16	12	8	11	5	8
2	2	0	1	1	3	11	18	24	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
3	0	1	0	1	1	1	3	3	1	0	0	0	0	0	0	0	0	0	0	4	17	16	12	8	4
4	4	4	5	3	3	9	11	16	14	14	15	.....	.....	.....	0	0	0	8	17	16	2	7	0	2	7
5	3	2	0	0	0	0	2	8	10	7	7	6	7	5	3	2	4	5	4	5	4	4	1	0	4
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	9	15	1	0	0	1	11	12	2
7	7	4	2	4	5	16	26	26	20	23	23	20	15	18	19	17	13	8	5	9	12	5	4	5	13
8	2	2	1	3	3	0	9	20	14	11	9	10	13	12	7	.....	.....	0	0	0	8	11	10	6	7
9	3	4	3	3	7	14	25	15	3	0	2	0	0	1	16	20	24	2	0	0	8	16	19	12	8
10	1	2	8	8	11	21	33	34	11	2	0	0	0	0	0	3	13	9	7	8	9	7	8	6	8
11	4	3	3	3	3	5	11	19	18	12	9	7	4	4	6	10	11	13	11	12	0	10	8	8	8
12	0	0	0	0	5	9	13	20	10	0	0	0	8	12	12	14	17	15	0	0	0	0	1	1	6
13	2	1	0	0	0	0	4	1	0	0	0	0	0	0	0	0	0	9	6	7	10	9	8	6	3
14	4	4	3	5	9	17	22	19	15	15	13	13	12	13	11	19	16	11	10	9	10	8	0	6	11
15	4	2	1	1	2	8	12	14	16	5	10	13	5	3	3	5	11	11	10	4	3	2	5	4	6
16	2	2	2	2	3	9	13	14	13	11	11	10	13	12	18	3	0	0	0	0	2	8	10	7	7
17	3	3	5	2	2	7	11	13	11	12	12	10	11	11	12	11	13	14	11	12	12	2	0	0	8
18	2	4	2	4	9	12	3	1	0	0	0	0	0	0	0	0	0	0	1	17	12	9	8	9	4
19	7	3	3	4	2	10	10	15	12	9	7	4	4	4	3	2	3	4	5	6	9	11	11	11	7
20	5	2	4	4	4	6	7	8	8	12	9	2	2	2	9	9	10	7	6	7	6	4	3	6	6
21	2	2	1	2	2	12	13	14	16	15	9	10	10	8	8	9	11	10	8	7	8	7	5	5	8
22	4	2	2	2	2	3	8	12	12	24	23	18	20	16	16	14	14	14	20	9	6	10	7	6	11
23	5	3	2	3	5	13	19	25	23	22	21	19	16	19	10	25	11	1	1	1	1	3	15	13	12
24	7	4	5	4	6	15	20	23	25	24	6	1	11	16	0	0	14	0	5	11	11	8	9	8	10
25	6	3	1	2	4	13	22	26	22	17	14	.....	.....	.....	10	10	9	7	8	8	6	6	5	4	10
26	2	1	1	2	4	7	12	16	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
27	1	1	0	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
28	1	0	0	0	0	0	0	0	0	0	1	0	1	7	18	-	14	11	9	7	-	-	-	-	4
29	1	1	2	1	2	9	15	19	20	0	1	7	10	13	16	3	10	13	9	11	6	11	7	5	8
30	3	2	1	2	4	10	15	16	17	18	16	15	12	15	14	16	17	22	21	17	13	11	11	8	12
31	7	4	2	5	3	20	28	26	7	2	.....	.....	15	17	1	0	1	1	1	1	1	1	1	1	7
MEAN	3	2	2	2	3	8	13	15	11	9	8	6	7	8	7	7	8	7	6	7	6	7	6	5	6.9

PERCENTAGE OF DATA VALID - 98.4

PERCENTAGE OF DATA INVALID - 0.9

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. "....." INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "....." INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION															
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - AUG 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	2	2	4	1	1	19	29	14	14	12	10	8	8	8	7	7	10	15	15	8	6	6	7	8	
2	4	3	2	2	3	8	***	14	18	15	1	9	7	11	6	6	6	10	12	11	10	8	3	7	8	
3	4	3	2	1	1	2	6	9	13	15	13	12	11	9	9	11	9	11	11	16	14	2	0	0	8	
4	2	5	4	2	2	5	7	2	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	
5	0	0	0	0	0	1	2	3	2	10	16	15	14	16	12	10	6	7	7	8	9	8	8	7	7	
6	4	3	3	4	7	10	12	11	12	11	13	12	9	9	8	9	6	8	8	14	6	6	7	8	8	
7	6	2	1	2	8	10	15	***	***	13	12	12	11	10	8	8	8	-	4	5	4	8	7	4	8	
8	4	3	2	3	7	16	22	17	14	12	11	9	17	21	25	12	9	8	6	7	6	6	4	3	10	
9	***	2	2	2	3	6	10	12	17	18	4	1	1	5	11	11	14	16	9	0	0	0	0	0	6	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	
11	1	1	0	2	3	2	0	4	1	1	1	1	1	***	1	1	***	1	4	1	1	2	1	1	1	
12	2	5	3	6	5	11	19	19	13	12	12	11	11	11	12	14	13	11	12	12	12	13	12	5	11	
13	3	2	2	3	5	12	18	18	19	21	17	0	0	0	12	19	8	5	16	16	15	10	8	8	10	
14	1	1	0	0	0	1	16	16	12	13	12	16	14	13	13	13	10	9	8	11	8	6	6	3	8	
15	2	2	2	3	6	17	20	21	24	26	21	19	5	9	19	0	0	0	12	0	4	9	8	7	10	
16	5	1	0	1	2	7	12	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
17	4	4	4	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	1	0	1	
18	0	0	0	0	0	0	1	2	26	25	25	21	***	22	23	25	20	16	12	11	17	11	3	10	12	
19	2	1	1	2	3	8	14	15	***	***	***	***	1	1	1	3	13	17	13	9	12	11	9	9	7	
20	6	3	3	6	2	3	7	4	2	2	2	2	2	2	2	2	1	1	1	1	1	1	1	1	2	
21	1	1	1	***	1	1	1	1	1	1	1	1	1	1	***	0	0	0	0	0	1	0	0	0	1	
22	2	1	1	0	1	1	6	17	20	22	23	19	21	2	0	0	0	0	0	0	0	0	1	0	6	
23	3	5	1	1	3	6	9	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
24	***	***	***	***	2	2	2	***	***	***	***	0	0	0	0	0	0	0	***	***	1	8	24	20	19	***
25	9	7	3	4	5	19	24	26	9	2	0	1	11	3	0	0	0	0	9	13	10	14	6	3	7	
26	1	0	1	1	2	8	15	-	14	15	12	9	9	11	9	10	7	5	6	3	5	4	2	7	7	
27	2	2	0	1	2	7	13	11	14	14	11	7	6	7	7	7	8	6	5	6	5	6	6	2	6	
28	2	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	2	3	0	
30	3	3	3	3	3	4	5	4	5	16	10	7	10	12	9	***	10	9	10	7	5	6	6	5	7	
31	5	3	2	2	2	3	4	5	6	7	8	7	7	6	6	6	8	7	9	10	10	10	12	9	6	
MEAN	3	2	2	2	3	8	9	10	9	10	8	7	6	7	7	6	6	6	6	6	6	6	5	4	5.1	

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - SEP 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	2	2	2	2	3	3	4	5	8	10	10	8	11	8	5	5	5	9	4	7	9	11	5	6
2	3	2	2	3	5	14	22	26	20	18	18	17	12	****	****	14	15	12	11	9	8	10	11	7	12
3	5	5	3	2	4	12	25	10	5	3	0	1	0	0	0	1	9	9	19	18	14	14	8	7	7
4	4	1	4	3	7	6	5	3	1	1	1	1	1	1	6	13	13	16	20	-	12	6	6	4	6
5	5	5	3	4	4	14	20	21	16	17	16	11	12	12	13	12	12	11	9	9	7	8	8	10	11
6	3	3	2	5	6	9	10	13	13	18	9	1	0	0	2	13	13	15	14	10	10	6	8	7	8
7	6	2	0	0	1	2	3	4	6	12	9	4	4	0	0	5	16	16	25	22	13	2	1	0	6
8	0	0	0	0	0	0	15	13	4	1	1	1	0	0	0	0	0	0	0	5	7	15	16	13	4
9	8	8	5	4	6	21	40	26	16	13	10	8	8	7	9	8	11	12	9	6	5	6	7	3	11
10	1	1	0	1	3	11	17	21	23	23	24	15	12	12	15	12	11	9	8	6	7	11	10	12	11
11	8	3	7	9	11	17	20	21	16	10	10	7	8	7	7	8	8	7	9	8	10	8	8	5	10
12	3	3	3	3	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
14	0	0	0	0	1	5	6	8	8	14	15	13	12	10	12	13	1	1	1	1	5	8	8	1	2
15	0	0	0	0	0	0	1	-	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
16	2	1	0	0	9	15	23	44	33	28	22	25	22	21	16	16	18	13	0	1	0	0	5	3	13
17	4	3	3	5	4	15	15	17	13	11	9	13	10	11	9	25	24	21	17	3	0	0	2	0	9
18	0	0	0	0	0	2	7	4	1	1	0	0	0	0	0	0	0	0	0	2	5	6	17	19	3
19	5	3	3	5	5	12	22	22	****	29	26	4	0	0	0	0	0	0	0	0	2	1	5	9	7
20	6	5	2	1	1	7	15	11	8	8	6	5	5	6	8	8	8	12	10	13	13	7	13	3	8
21	1	0	0	0	0	0	0	0	0	0	0	0	4	4	4	4	6	8	7	8	8	6	3	2	3
22	2	1	3	4	5	18	23	26	22	22	16	17	15	14	15	11	9	7	5	10	11	8	6	12	8
23	5	3	2	3	5	11	15	17	12	13	14	13	13	18	16	20	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	1	3	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
25	0	1	0	1	2	3	25	41	15	10	5	3	1	1	2	2	2	1	0	0	0	0	0	0	1
26	3	3	7	5	6	9	12	13	10	11	8	5	7	7	13	14	14	13	12	11	10	8	6	6	9
27	4	4	2	3	5	-	17	22	23	17	14	13	12	11	13	12	12	14	11	11	8	7	11	11	9
28	7	5	2	1	1	2	4	5	9	15	2	0	0	0	0	0	0	0	0	0	1	0	0	0	2
29	0	1	1	1	17	18	5	7	6	2	0	0	0	0	0	0	0	0	0	0	6	14	13	7	4
30	5	2	4	2	6	16	22	28	21	19	17	14	16	17	17	-	19	19	22	19	19	9	16	11	15
MEAN	3	2	2	2	4	8	13	15	11	11	9	7	6	6	6	8	8	7	7	6	7	6	7	5	6.9

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - OCT 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	4	3	3	5	14	17	18	17	13	14	12	12	2	7	10	11	10	7	5	5	6	6	4	9
2	2	1	1	1	4	13	17	18	19	16	15	12	13	13	16	-	11	10	12	19	9	11	3	1	10
3	1	***	2	3	4	1	10	2	2	1	0	4	23	25	23	1	0	0	0	8	8	5	10	10	6
4	5	5	2	2	3	7	4	12	13	13	12	10	10	9	8	8	9	10	7	6	5	5	3	7	7
5	4	2	2	2	4	16	32	40	25	21	19	15	15	19	17	19	19	-	15	8	5	9	10	10	14
6	6	6	1	1	0	2	6	4	6	33	3	0	****	****	23	24	21	15	12	9	14	15	25	16	11
7	7	3	3	6	6	11	12	13	12	-	8	8	8	8	8	8	9	12	13	10	10	10	9	5	9
8	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	6	1	0	0	0	1
9	0	0	1	4	6	6	8	9	8	2	0	0	0	0	0	0	0	0	0	7	11	6	3	2	3
11	1	5	5	6	8	12	13	12	16	17	17	16	13	11	11	10	9	8	8	10	8	7	8	10	10
12	4	1	1	1	0	0	1	3	6	9	10	12	11	12	13	12	11	10	8	7	6	7	6	4	6
13	3	1	0	0	0	1	2	3	6	9	12	12	12	10	12	15	12	10	13	12	10	8	6	3	7
14	2	1	2	3	5	14	22	26	23	19	17	24	21	20	28	30	32	22	9	9	10	20	18	8	16
15	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	3	3	3	4	5	5	6	7	10	8	3	0	0	0	0	0	0	0	0	0	0	0	0
17	2	1	0	1	0	2	2	1	0	1	0	2	6	13	16	12	10	13	10	7	5	5	4	4	3
18	5	4	4	5	5	6	9	9	9	11	11	9	9	8	8	8	9	11	10	8	4	4	8	8	8
19	8	6	3	3	3	4	5	5	7	7	7	9	9	10	10	8	8	9	9	13	12	12	10	8	8
20	6	5	4	2	5	10	21	23	25	22	23	21	18	17	16	22	20	19	15	12	11	9	11	8	14
21	7	5	3	5	8	13	15	21	18	16	16	13	12	10	12	13	16	13	9	6	7	7	8	7	11
22	3	3	2	2	4	11	13	***	15	16	18	16	13	13	21	28	32	24	17	7	0	2	6	4	12
23	0	0	0	0	0	1	4	6	5	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	2	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	1	2	0	0	0	0
26	2	2	2	3	2	2	2	4	4	3	4	3	4	4	4	5	6	7	8	8	5	5	7	8	4
27	6	3	3	5	3	6	14	20	20	16	11	10	12	10	11	16	17	19	16	16	10	8	11	12	11
28	7	6	-	-	7	9	-	35	36	25	26	18	14	12	14	18	21	23	14	8	7	9	-	8	16
29	7	-	5	4	4	6	15	22	19	-	14	19	29	13	11	14	17	16	12	7	6	6	-	12	12
30	5	-	3	3	4	5	15	21	21	16	12	13	11	11	13	12	16	15	12	9	9	7	6	11	11
31	5	4	4	4	4	6	11	15	15	14	13	11	9	8	9	11	11	10	9	8	7	7	7	6	7.9
MEAN	3	3	2	3	3	6	9	12	12	11	10	9	10	9	11	11	11	10	9	8	7	7	7	6	7.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - NOV 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	5	2	1	1	0	1	3	4	5	6	8	8	9	12	12	10	14	10	10	8	7	5	3	4	6
2	4	4	2	0	0	0	0	1	1	4	5	8	10	10	9	10	10	12	16	21	21	24	16	13	8
3	5	3	0	-	0	0	-	17	6	14	16	16	15	15	23	26	38	33	16	8	4	6	5	4	12
4	2	1	1	1	1	2	7	12	13	11	11	12	12	14	15	16	14	15	11	5	4	8	5	-	8
5	4	4	1	1	1	3	9	17	19	19	21	16	16	16	14	15	18	14	11	9	8	6	9	11	11
6	9	7	7	5	7	9	17	17	14	-	-	-	-	-	-	-	15	14	10	8	9	-	10	-	*****
7	7	6	5	5	5	8	15	21	16	18	16	15	15	14	17	10	13	17	19	17	5	2	6	3	11
8	3	5	0	1	0	-	0	0	0	0	0	0	0	0	0	0	0	1	2	3	0	0	0	0	1
9	0	0	0	0	0	0	-	1	4	5	6	6	5	4	5	5	7	11	13	7	5	5	4	4	4
10	1	0	0	0	0	2	11	17	19	12	11	12	12	-	11	12	14	10	7	6	5	3	3	3	7
11	2	1	1	0	1	3	12	17	17	17	16	16	15	13	15	15	20	17	11	6	4	4	6	5	10
12	3	1	2	1	2	5	16	23	26	20	23	16	14	16	-	16	17	18	14	11	8	6	11	8	12
13	7	5	3	6	8	14	28	29	22	18	17	17	14	15	16	19	23	22	16	12	12	17	13	15	15
14	3	10	6	3	3	6	14	19	15	6	6	***	1	0	0	1	0	0	1	2	0	0	1	0	4
15	0	0	0	0	0	0	8	12	20	14	13	13	13	11	12	12	14	5	0	0	0	0	0	0	6
16	0	0	0	0	1	1	1	1	1	0	0	0	0	1	0	0	0	0	0	13	23	22	22	18	4
17	14	10	5	0	3	7	19	27	5	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	4
18	1	0	0	0	0	0	0	0	0	0	0	0	0	0	8	20	21	19	16	10	7	6	7	7	5
19	2	1	1	1	2	5	12	15	16	14	15	14	13	14	13	11	15	13	12	9	11	11	12	12	10
20	10	10	9	8	10	11	21	28	27	21	18	15	12	14	16	19	21	19	17	18	10	8	7	8	15
21	6	4	3	3	3	6	13	16	19	14	14	14	13	12	11	10	10	7	8	7	5	5	3	5	9
22	5	2	2	3	4	4	8	12	13	13	12	11	10	10	10	13	13	14	13	11	9	6	7	7	9
23	7	6	5	4	4	3	3	6	6	8	11	13	16	20	12	12	14	10	11	13	12	14	14	11	10
24	8	6	5	2	2	1	12	6	8	8	6	5	5	5	3	5	31	25	16	17	10	9	8	7	9
25	5	3	2	1	2	4	10	17	14	12	12	12	10	10	11	14	16	14	14	9	6	6	7	6	9
26	6	4	3	2	5	9	15	23	22	19	15	14	13	17	17	20	17	26	19	17	16	7	3	3	13
27	-	6	6	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	0	1	0	0	2	8	18	21	16	12	13	14	20	19	16	13	11	11	9	8	9
29	7	7	6	6	4	2	3	6	6	8	9	8	10	8	9	6	8	8	8	4	5	6	6	8	7
30	8	7	5	6	5	4	4	5	6	6	7	8	9	12	15	14	18	10	8	7	9	9	8	8	8
MEAN	5	4	3	3	2	4	9	12	11	10	11	10	10	10	11	11	14	13	11	9	8	7	7	6	8.3

PERCENTAGE OF DATA VALID - 97.2 PERCENTAGE OF DATA INVALID - 0.3 PERCENTAGE OF DATA UNAVAILABLE - 2.5

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 2. ** INDICATES DATA IS UNAVAILABLE
 3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION														
STATION - WC NO 29008 NORTH PARK HAMILTON											MONTH - DEC 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	5	4	4	6	8	16	18	18	16	19	21	****	****	****	2	4	4	7	5	12	16	14	1	10
2	0	0	0	0	0	1	1	2	2	8	14	***	11	10	12	12	14	10	7	8	3	2	1	1	5
3	0	0	0	0	0	1	6	13	15	12	13	14	14	10	14	14	18	18	15	11	7	6	6	4	9
4	2	0	0	0	***	***	0	1	1	1	3	1	***	***	***	***	***	***	4	4	4	-	4	4	*****
5	3	3	3	2	3	3	12	19	10	***	0	0	***	0	0	***	-	-	0	0	0	14	1	0	4
6	1	10	0	0	2	3	6	8	6	0	0	0	0	-	0	-	0	0	0	0	0	0	0	-	2
7	-	0	-	-	0	0	2	-	-	6	6	20	9	7	14	20	14	22	15	14	11	12	9	7	10
8	5	4	3	6	7	-	22	21	14	6	14	12	11	10	10	12	12	13	9	8	6	6	4	10	
9	4	2	1	1	1	3	13	27	-	32	8	0	0	0	0	0	0	1	8	17	-	-	9	8	6
10	7	6	3	2	3	4	8	12	16	14	12	10	10	12	12	14	****	****	5	5	4	4	5	4	8
11	2	1	1	1	2	4	10	15	24	18	13	12	11	11	11	12	15	12	12	10	-	-	-	8	10
12	6	7	4	2	3	8	15	25	28	25	28	22	12	***	17	16	15	13	13	11	8	4	4	5	13
13	6	6	5	4	4	3	2	3	5	8	9	9	9	8	9	8	7	9	9	11	8	6	6	5	7
14	4	4	5	3	4	4	2	4	2	1	1	3	3	4	6	5	6	7	9	8	8	8	8	8	5
15	6	5	6	4	5	7	17	27	32	14	22	20	17	***	***	1	0	3	***	16	13	10	6	6	11
16	4	2	0	0	0	0	0	2	5	2	0	0	0	0	0	0	0	0	0	0	2	8	1	0	1
17	0	0	0	0	1	1	6	5	7	22	23	25	21	21	20	20	17	14	11	9	***	6	5	6	10
18	7	4	4	4	5	7	11	15	14	***	5	22	10	9	10	10	15	12	10	9	7	-	-	-	10
19	3	2	2	0	0	2	6	10	13	16	16	18	-	-	12	21	17	15	11	8	9	8	7	5	9
20	6	5	4	4	1	2	5	4	2	2	6	7	7	7	8	10	7	7	7	6	5	5	7	7	5
21	7	5	4	4	4	4	4	4	5	5	5	6	5	5	6	6	5	8	7	9	8	8	8	9	6
22	3	5	5	4	5	4	13	23	30	22	28	31	24	15	14	11	12	12	0	1	7	7	14	24	13
23	19	13	12	7	8	8	15	24	24	21	17	9	17	16	16	16	15	11	***	11	11	9	9	10	14
24	8	7	5	6	7	8	13	15	17	14	0	4	3	1	3	5	4	5	3	2	1	0	0	0	5
25	0	0	0	0	0	0	0	0	0	3	8	11	13	11	11	9	8	7	5	4	5	8	7	5	6
26	3	3	3	1	2	2	2	2	4	3	5	6	7	8	9	13	12	11	8	7	7	5	4	6	6
27	8	5	2	1	2	2	4	7	11	21	11	2	2	2	0	0	2	7	8	9	26	22	28	27	9
28	19	22	22	19	17	13	9	10	12	12	7	10	12	14	14	14	16	14	14	15	15	16	16	13	14
29	6	4	3	2	5	12	30	34	18	19	39	39	35	11	8	6	7	8	8	3	0	0	0	0	12
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	8	8	2	1	0	0	0	1	1	1
31	0	0	2	0	0	1	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	1
MEAN	5	4	3	3	3	4	8	12	12	11	11	11	10	8	9	9	9	9	7	7	7	7	6	6	7.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	6.7	15	37
FEB	29	8.0	15	52
MAR	31	5.2	13	32
APR	30	4.4	12	33
MAY	31	5.3	14	37
JUN	30	5.3	14	43
JUL	31	6.9	13	34
AUG	30	5.7	12	29
SEP	30	6.9	15	44
OCT	31	7.9	16	40
NOV	29	8.3	15	38
DEC	30	7.5	14	39
YEAR	363	6.5	16	52

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29008 NORTH PARK HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	365	180	157	27	4	0	0	733
FEB	318	153	157	46	5	1	1	681
MAR	475	109	122	27	1	0	0	734
APR	484	90	100	21	2	0	0	697
MAY	461	124	113	20	5	0	0	723
JUN	414	137	113	12	1	1	0	678
JUL	377	147	180	26	2	0	0	732
AUG	412	148	133	22	0	0	0	715
SEP	373	141	158	37	2	2	0	713
OCT	319	182	181	36	7	0	0	725
NOV	283	159	225	30	3	0	0	700
DEC	328	170	153	37	7	0	0	695
YEAR	4609	1740	1792	341	39	4	1	8526

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.1	0	0.0	0.4	4.2	8.7	15.7	19.5	23.6	26.5	52	6.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	27	2.5	9	29
FEB	29	2.0	8	21
MAR	30	1.8	5	28
APR	30	2.1	4	14
MAY	25	1.9	6	26
JUN	30	1.3	6	20
JUL	31	1.0	3	14
AUG	31	0.9	4	18
SEP	30	2.6	8	29
OCT	31	2.9	13	43
NOV	30	2.9	11	28
DEC	31	3.6	12	41
YEAR	355	2.1	13	43

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - WC NO 29025 BARTON/WENTWORTH HAMILTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	584	65	16	2	0	0	0	667
FEB	626	49	19	1	0	0	0	695
MAR	673	40	11	2	0	0	0	726
APR	645	63	11	0	0	0	0	719
MAY	539	43	18	3	0	0	0	603
JUN	675	24	14	0	0	0	0	713
JUL	715	25	3	0	0	0	0	743
AUG	711	13	9	0	0	0	0	733
SEP	611	59	35	7	0	0	0	712
OCT	610	86	21	8	4	1	0	730
NOV	599	83	31	4	0	0	0	717
DEC	591	84	52	8	3	2	0	740
YEAR	7579	634	240	35	7	3	0	8498

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	CONCENTRATIONS FREQUENCY DISTRIBUTION, PERCENT						MAX	ARITH MEAN
				50	70	90	95	98	99		
96.7	0	0.0	0.0	0.5	1.7	5.3	8.2	12.2	15.9	43	2.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.6	4	19
FEB	28	1.6	5	11
MAR	27	1.4	5	18
APR	30	1.2	4	13
MAY	29	1.3	4	22
JUN	30	1.2	4	16
JUL	31	1.2	5	17
AUG	31	1.0	7	28
SEP	30	1.4	6	20
OCT	30	1.7	4	14
NOV	29	2.4	8	29
DEC	31	3.6	9	30
YEAR	357	1.6	9	30

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31001 67 COLLEGE ST FIFTH FLOOR TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	692	34	6	0	0	0	0	732
FEB	623	34	1	0	0	0	0	658
MAR	618	31	7	0	0	0	0	656
APR	683	20	3	0	0	0	0	706
MAY	672	23	10	2	0	0	0	707
JUN	661	39	11	0	0	0	0	711
JUL	698	28	11	0	0	0	0	737
AUG	701	15	6	3	0	0	0	725
SEP	682	22	12	0	0	0	0	716
OCT	669	41	9	0	0	0	0	719
NOV	596	73	22	1	0	0	0	692
DEC	558	98	45	11	0	0	0	712
YEAR	7853	458	143	17	0	0	0	8471

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
98.4	0	0.0	0.0	0.3	1.2	3.9	6.4	9.8	12.6	30	1.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - MAY 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	11	2	0	0	0	2	6	11	10	7	9	9	9	8	****	-	11	****	6	8	28	11	2	1	7
2	1	0	0	1	5	22	42	24	17	13	9	5	6	3	6	4	2	0	1	6	5	9	9	9	8
3	9	7	7	5	6	17	20	8	4	8	5	4	4	0	0	0	0	0	0	0	0	0	0	0	4
4	1	0	0	0	0	0	0	0	1	1	0	1	2	0	0	0	1	3	0	0	9	6	9	5	2
5	0	0	0	0	0	0	3	12	9	8	5	3	4	1	0	0	0	0	0	0	3	0	0	0	2
6	0	0	0	0	0	0	1	2	1	1	0	0	0	0	0	2	3	0	0	0	0	1	6	4	1
7	0	0	0	0	0	4	12	7	1	0	0	0	1	2	2	3	3	1	0	0	0	0	0	0	2
8	1	1	0	0	1	8	10	10	3	2	3	2	6	5	6	8	0	0	0	0	0	0	0	0	3
9	0	0	0	0	0	0	1	2	2	1	1	1	0	1	0	1	1	0	0	0	2	3	1	1	1
10	0	1	1	0	0	2	5	6	4	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0	1	2	3	0
12	3	0	0	0	2	8	10	10	8	4	3	2	2	2	3	4	3	2	2	1	7	7	4	4	4
13	5	3	1	0	4	11	11	5	4	4	2	3	5	5	3	6	7	8	5	4	4	1	1	4	4
14	1	0	0	0	0	0	1	3	3	2	1	0	2	1	5	1	1	1	0	0	1	1	0	-	1
15	0	0	0	0	0	0	3	5	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1
16	1	0	0	0	4	13	20	16	11	5	3	3	4	1	1	2	2	3	4	5	2	21	43	36	8
17	22	17	15	7	9	7	4	2	2	2	1	0	0	0	0	0	0	0	1	2	0	0	0	0	4
18	0	0	0	0	0	0	0	0	0	0	0	2	3	4	1	-	1	4	0	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20	0	0	0	0	0	0	2	2	2	4	5	3	4	4	4	4	1	1	1	1	6	4	1	1	1
21	8	4	1	0	0	1	7	15	12	11	6	2	2	3	0	1	1	1	1	2	1	1	6	5	4
22	0	0	0	0	0	2	3	12	10	11	****	****	4	0	0	1	1	5	14	10	2	5	5	7	4
23	5	2	1	6	11	19	20	26	16	3	6	6	1	1	0	1	1	1	3	9	22	26	12	1	8
24	0	0	0	7	1	0	0	2	13	7	8	4	1	1	1	2	2	2	2	0	0	0	0	1	2
25	1	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	1	2	3	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
27	0	***	0	0	0	1	4	6	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	1	4	9	12	11	12	5	12	10	7	6	5	5	6	6	9	22	8	11	7
29	5	0	0	0	0	2	12	11	15	12	9	2	5	5	11	11	2	0	0	0	0	0	0	0	4
30	0	0	0	0	0	2	16	15	7	6	7	5	5	3	4	4	6	6	1	2	3	1	0	1	4
31	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
MEAN	2	1	1	1	1	4	7	8	5	4	3	2	3	2	2	2	2	1	2	2	3	4	4	3	3.0

PERCENTAGE OF DATA VALID - 98.9

PERCENTAGE OF DATA INVALID - 0.7

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO															MONTH - JUN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0
2	0	0	0	0	0	2	11	11	13	12	13	12	13	11	8	5	9	15	7	0	1	1	2	1	6
3	1	0	0	0	0	1	3	6	7	7	4	2	1	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	3	3	1	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	0	0	3	8	12	9	5	6	5	3	2	4	4	2	1	1	1	1	1	1	0	3
6	0	0	0	0	0	1	5	10	12	12	8	11	11	12	14	3	3	1	1	1	1	2	2	1	5
7	0	0	0	0	0	0	1	8	8	6	2	1	0	1	1	1	1	1	1	1	2	2	1	1	3
8	3	5	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	2	2	1
9	3	1	2	2	1	4	6	7	10	8	4	1	0	1	1	0	0	0	0	0	0	0	0	1	1
10	0	0	0	0	0	0	2	3	2	2	2	1	0	0	0	0	0	0	0	0	0	0	2	2	2
11	0	0	0	0	0	0	3	4	3	5	6	3	2	10	3	0	1	0	0	0	2	12	9	9	3
12	12	15	27	12	3	28	13	9	8	4	2	4	3	2	3	1	1	3	3	0	0	1	2	1	7
13	0	0	0	0	1	8	9	12	7	7	5	1	1	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	1	7	7	4	8	4	1	0	0	0	0	0	5	3	5	8	7	4
15	4	4	4	2	2	6	7	6	1	1	0	0	0	0	0	0	0	0	0	6	14	10	18	12	3
16	0	0	0	0	0	1	6	7	4	8	4	5	5	3	3	1	0	0	0	0	0	0	0	0	2
17	0	0	0	2	3	11	15	29	19	4	4	4	3	2	2	4	1	0	0	0	0	0	1	1	2
18	2	1	1	0	0	4	5	5	4	3	1	1	1	1	2	2	4	7	4	3	3	2	7	2	5
19	2	2	1	0	1	2	7	10	8	6	4	2	3	3	4	1	0	0	0	0	0	0	1	2	2
20	1	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	1	3	5	8	16	24	27	4
21	22	10	7	10	5	2	5	2	3	7	3	4	2	1	1	2	0	0	0	1	9	11	15	20	18
22	25	23	25	29	14	9	5	5	2	2	0	0	0	0	0	0	0	0	0	0	0	1	3	0	6
23	0	0	0	0	0	8	17	9	8	5	5	2	2	0	0	1	1	1	0	0	0	2	9	10	3
24	3	1	1	4	7	25	54	38	19	4	2	1	1	2	1	2	-	1	1	1	1	1	4	4	8
25	2	0	1	1	2	14	27	14	4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	4	8
26	4	1	0	0	1	7	10	6	2	1	2	1	1	1	1	1	1	1	1	1	1	1	1	4	2
27	8	7	3	1	1	1	3	4	4	4	3	2	1	2	1	1	1	0	0	1	2	2	3	2	2
28	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0
29	0	0	1	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	3	4	2	2	2	1
30	0	0	0	0	0	0	0	1	0	0	0	0	0	1	0	3	2	2	7	13	0	0	0	0	1
MEAN	3	2	2	2	1	5	8	7	5	4	3	2	2	2	2	1	1	1	1	2	2	3	5	4	2.9

PERCENTAGE OF DATA VALID - 99.0

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105

HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - JUL 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	2	3	2	2	3	8	7	7	3	3	1	1	1	0	0	0	0	0	2	2	0	1	0	2
2	0	0	0	0	2	4	4	2	2	1	0	0	0	0	0	0	0	0	0	0	1	2	1	4	1
3	3	1	0	0	1	3	5	10	12	8	3	2	2	2	2	1	1	0	0	0	0	1	2	1	4
4	1	0	3	3	3	9	17	15	9	7	3	1	1	0	0	0	0	0	0	0	6	2	15	4	3
5	2	0	0	0	0	0	2	2	0	0	0	0	0	1	1	1	0	1	1	1	0	2	7	6	4
6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7	3	0	0	0	4	6	16	28	19	11	9	4	2	1	3	2	2	3	1	1	1	0	0	0	1
8	0	0	0	0	0	0	4	8	4	6	5	1	1	1	1	1	1	1	1	1	0	0	0	0	5
9	0	0	0	0	1	0	6	15	12	6	4	4	6	6	9	9	4	2	1	2	7	9	16	21	2
10	14	6	10	16	14	17	26	28	10	8	3	2	1	0	0	0	0	0	0	0	1	7	17	7	8
11	2	0	0	0	1	9	10	4	1	2	1	2	1	1	1	1	1	1	0	0	0	1	1	0	2
12	0	0	0	1	2	0	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	1	1	0	2
13	0	0	0	0	0	0	0	0	2	2	1	1	1	1	0	0	0	0	0	0	1	2	1	1	0
14	11	11	15	11	8	20	38	24	13	7	3	1	0	0	1	1	0	0	0	2	3	4	5	5	1
15	0	0	0	0	1	5	10	10	16	13	7	7	7	7	7	7	7	7	7	7	7	7	7	7	7
16	- DATA INVALID -																								
17	- DATA INVALID -																								
18	- DATA INVALID -																								
19	0	0	0	1	0	0	2	0	0	0	0	0	0	0	0	4	4	1	2	2	2	1	1	0	*****
20	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	12	6	0	1
21	0	0	0	0	0	1	7	4	4	1	0	0	1	0	0	2	0	0	0	0	0	0	1	1	1
22	0	0	0	0	0	1	6	12	9	4	***	6	3	3	2	3	4	3	3	8	7	4	1	1	1
23	0	0	0	0	0	0	2	3	2	1	1	1	3	8	7	4	1	1	1	1	0	2	3	3	2
24	2	1	0	0	0	3	21	41	15	11	13	8	3	1	1	1	1	1	1	1	0	2	3	7	6
25	3	0	0	0	0	9	14	11	5	5	4	2	0	0	0	0	0	0	0	2	4	5	7	3	0
26	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	6	7	8	6	2
27	6	0	0	0	0	0	5	10	12	11	8	9	7	8	-	7	4	2	1	-	-	-	-	-	0
28	0	0	0	0	0	0	1	3	5	***	***	1	2	1	0	1	0	0	0	2	3	4	10	13	9
29	1	0	1	0	0	0	1	4	2	1	0	0	0	0	0	0	0	0	0	0	0	1	3	2	1
30	7	11	4	1	0	0	1	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
31	0	0	0	2	7	17	16	11	6	5	5	6	4	6	2	3	1	1	1	1	0	0	0	0	4
MEAN	2	1	1	2	2	5	10	8	5	4	3	2	1	2	1	1	1	1	1	1	3	3	4	3	2.8

PERCENTAGE OF DATA VALID - 88.7

PERCENTAGE OF DATA INVALID - 10.6

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105

HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH - AUG 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	3	11	24	***	9	8	3	2	0	0	0	0	0	0	0	6	6	6	4	4
2	4	1	0	0	0	0	5	3	1	1	2	1	0	0	0	0	0	0	0	0	1	1	0	1	0
3	1	0	0	0	0	0	1	1	0	0	1	0	0	0	0	0	0	0	0	0	1	0	1	1	0
4	0	1	2	2	3	4	6	6	5	2	2	1	0	0	0	0	0	0	0	0	0	0	1	2	0
5	0	0	0	0	0	1	6	8	10	8	7	6	4	3	1	1	2	2	1	0	0	0	1	0	2
6	0	0	0	0	0	3	7	4	4	***	***	0	0	0	1	0	0	***	0	0	0	0	1	0	3
7	3	1	0	0	1	3	7	7	3	2	2	1	1	0	1	0	1	0	1	0	0	15	15	8	3
8	8	5	4	2	4	4	9	***	2	3	7	4	8	7	3	1	0	1	0	1	0	0	0	1	2
9	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	8	4
10	0	0	0	0	***	***	1	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0
11	2	1	2	1	1	4	8	10	8	8	***	***	3	5	10	7	***	0	0	0	0	0	0	0	3
12	1	0	0	0	0	0	4	8	6	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	1	4	6	3	2	3	3	2	3	3	3	***	1	3	2	2	3	5	2	2
14	5	2	0	0	2	8	18	10	4	5	5	1	2	1	1	1	1	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	1	3	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	0	1
16	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	1
17	3	3	3	3	2	2	3	2	0	1	0	0	0	0	0	0	0	0	0	0	1	1	2	3	0
18	0	0	0	0	0	3	11	15	12	10	12	5	7	8	6	4	3	1	0	1	2	3	1	0	1
19	5	5	7	8	10	10	***	25	10	4	9	3	2	1	1	1	1	3	2	3	7	7	4	6	5
20	5	6	3	2	2	6	12	11	6	6	3	2	5	4	3	2	2	0	0	0	0	0	0	0	3
21	0	0	-	***	0	0	5	8	3	3	1	1	1	1	3	1	1	0	1	0	1	2	2	2	2
22	0	0	0	0	0	3	9	9	7	6	6	4	6	5	3	1	2	1	1	1	1	3	3	5	3
23	4	2	2	2	1	0	1	1	1	0	0	1	0	0	0	0	0	0	0	1	1	2	2	1	1
24	1	1	1	0	0	0	0	1	1	3	3	1	1	0	1	1	2	2	3	2	4	26	27	35	5
25	36	34	25	18	21	28	45	43	22	16	7	5	3	1	1	0	0	0	0	0	1	1	3	13	1
26	2	0	0	0	0	1	9	-	3	3	3	1	1	0	0	1	1	0	0	0	0	1	1	3	1
27	0	0	0	0	0	3	4	5	3	3	1	1	0	0	0	0	0	0	0	0	1	3	1	3	1
28	0	0	0	0	0	1	6	9	10	8	5	3	6	5	10	8	5	4	4	3	3	3	3	4	2
29	1	0	0	0	1	3	9	9	5	3	3	3	3	***	1	3	3	1	0	0	0	0	0	0	2
30	0	2	2	0	0	1	4	6	2	3	2	0	0	1	0	1	3	3	3	2	1	0	1	1	2
31	1	1	0	0	0	0	2	1	0	0	0	0	0	0	0	2	3	3	0	1	2	1	0	0	1
MEAN	3	2	2	1	2	3	7	8	5	4	3	2	2	2	2	1	1	1	1	1	1	2	3	3	2.5

PERCENTAGE OF DATA VALID - 97.6

PERCENTAGE OF DATA INVALID - 2.0

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 31105		HYDRO SS SHERBOURNE/WILTON ST. TORONTO												MONTH - SEP 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	0	0	1	1	3	3	1	0	1	1	0	1	0	3	1	1
2	0	0	0	0	0	1	3	10	10	5	9	8	3	2	2	1	1	0	2	1	4	6	7	4	3
3	3	1	0	0	0	0	1	4	3	3	2	1	3	3	4	4	5	3	1	1	1	0	1	1	3
4	0	0	0	3	3	7	18	11	9	4	3	3	2	1	2	2	2	2	2	0	0	0	1	3	2
5	0	0	0	0	1	5	6	9	3	2	1	0	0	0	0	1	0	0	0	0	0	3	3	2	2
6	2	2	0	0	0	2	5	1	0	0	1	0	0	0	0	0	0	0	0	1	1	1	2	2	1
7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	5	6	5	5	1
8	4	4	7	5	8	10	20	40	45	15	11	9	10	3	5	5	3	3	4	3	3	5	3	2	9
9	1	0	0	0	2	9	13	5	3	3	2	1	0	1	0	1	0	1	0	0	0	0	1	0	2
10	0	0	0	0	0	1	3	4	3	1	1	0	0	0	0	0	1	0	0	1	6	7	10	10	2
11	4	2	1	0	0	4	9	13	8	6	3	0	0	0	0	0	0	0	0	1	8	5	3	2	3
12	0	0	0	0	0	1	3	3	3	5	4	8	5	4	4	4	3	3	3	4	6	2	1	1	3
13	1	0	0	0	0	0	1	1	1	3	2	3	1	1	1	1	2	2	1	0	0	0	3	1	1
14	4	1	2	1	3	5	9	6	3	3	0	0	0	0	1	1	0	1	1	1	1	0	1	0	2
15	0	0	0	0	0	2	8	7	8	6	8	5	4	3	4	5	5	5	4	5	7	5	9	2	4
16	1	0	0	3	9	10	6	7	7	8	10	8	10	7	4	8	4	3	6	4	2	3	3	1	5
17	0	0	0	0	1	3	10	4	3	2	***	0	1	2	1	0	1	1	0	1	1	2	3	4	2
18	2	0	0	0	0	3	13	21	10	6	7	3	4	6	4	5	5	5	8	7	6	4	3	1	5
19	1	0	0	0	1	2	7	7	5	3	2	1	1	3	4	3	2	2	3	2	2	1	2	3	2
20	2	0	0	0	1	4	2	3	3	3	1	0	1	1	2	2	1	0	0	1	9	10	1	0	2
21	0	1	0	0	0	0	0	0	0	0	0	1	1	0	1	2	1	0	0	2	4	5	0	0	1
22	0	0	0	0	0	0	1	3	6	10	5	5	3	2	2	7	10	7	4	0	3	2	0	1	3
23	1	0	0	0	0	0	2	3	3	2	2	2	1	2	2	2	2	2	3	2	3	2	3	2	2
24	1	1	1	1	2	3	15	16	8	6	8	7	***	6	8	8	6	3	2	2	2	2	3	3	5
25	1	1	3	3	5	16	22	23	27	23	13	11	10	10	9	10	6	3	3	2	2	3	5	9	2
26	8	1	0	0	0	1	2	3	2	2	1	2	2	2	3	2	2	1	1	2	1	1	1	3	2
27	2	3	1	1	0	3	3	5	3	2	2	1	1	1	3	3	3	3	4	4	6	2	2	2	2
28	2	2	1	0	1	2	1	1	1	1	0	1	0	1	3	2	2	2	2	4	5	3	3	5	2
29	3	0	0	0	0	3	14	19	10	9	5	4	4	3	4	5	4	3	4	4	6	11	16	17	6
30	22	21	19	23	27	31	62	73	41	19	12	7	4	3	4	4	3	3	2	2	3	3	1	2	17
MEAN	2	1	1	1	2	4	8	10	8	5	4	3	3	2	3	3	3	2	2	2	3	3	3	3	3.4

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.3

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 31105													HYDRO SS SHERBOURNE/WILTON ST. TORONTO												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	2	1	2	4	11	17	9	5	3	3	2	2	1	1	0	0	0	0	0	0	1	1	3
2	1	0	0	0	0	2	3	9	8	6	***	3	3	3	3	-	12	***	***	6	7	5	6	7	4
3	10	***	11	9	3	9	14	10	***	7	7	7	8	6	10	15	15	12	13	5	1	3	3	3	8
4	3	2	3	1	0	2	1	1	3	7	6	3	3	3	2	3	2	2	2	2	3	3	2	2	3
5	2	2	1	0	0	0	1	1	2	1	1	1	1	0	1	2	2	3	3	3	3	3	2	2	5
6	2	1	0	0	1	4	10	9	6	6	6	4	4	4	9	9	8	-	5	7	1	3	3	2	5
7	1	1	1	1	3	12	24	30	25	22	16	11	10	7	5	9	5	3	5	4	12	9	10	6	10
8	6	5	3	4	3	4	8	10	6	-	-	4	3	2	0	1	1	0	1	0	0	0	1	1	3
9	0	0	0	0	1	2	8	16	13	5	4	3	5	7	7	8	5	6	4	7	6	6	9	8	5
10	6	7	7	6	7	11	31	20	8	7	7	6	5	***	5	6	3	3	2	2	3	8	8	3	7
11	6	9	8	6	9	5	10	8	5	6	8	9	10	3	2	6	9	4	2	3	6	6	9	9	7
12	7	3	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	4	3	0	
14	0	0	0	1	0	3	14	12	10	6	4	2	8	7	***	***	***	***	3	***	***	***	***	***	***
15	4	3	***	***	***	***	***	***	***	3	***	4	4	6	7	8	5	3	2	1	2	3	7	3	4
16	0	0	0	0	0	4	12	17	16	14	10	12	14	11	12	12	8	5	4	4	3	3	3	2	7
17	1	0	0	0	2	4	10	17	19	18	15	10	15	15	18	21	6	4	2	3	1	1	1	0	8
18	0	0	0	0	0	1	2	2	1	0	2	1	1	1	0	0	0	0	2	3	1	0	1	1	1
19	3	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	2	1	3	4	4	8	3	0	1
20	0	0	0	0	0	0	2	5	4	3	2	1	2	3	3	6	3	3	3	3	2	2	3	4	2
21	3	2	1	0	1	5	12	17	13	10	6	7	6	4	3	2	2	2	2	1	1	2	3	1	4
22	0	0	0	0	0	1	3	5	5	3	3	2	3	3	3	5	5	3	3	2	2	3	3	3	3
23	2	2	2	2	2	5	17	25	10	5	3	4	4	4	4	9	8	9	6	4	4	3	2	1	6
24	1	0	0	0	0	3	7	9	7	10	10	8	9	9	-	7	4	5	5	4	4	3	3	3	5
25	-	-	2	2	2	3	3	4	5	-	-	4	4	4	2	2	3	3	2	1	1	1	0	0	2
26	0	-	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
27	0	0	0	0	0	0	1	6	9	8	6	5	3	2	2	4	5	8	7	7	4	6	5	5	4
28	4	5	2	2	2	1	2	6	5	4	7	0	0	1	1	2	3	3	1	2	1	2	3	3	3
29	2	2	2	0	0	0	0	5	8	8	3	2	2	1	2	4	5	6	4	3	2	2	2	-	3
30	2	1	2	0	0	1	3	9	9	11	5	3	2	2	3	3	3	3	2	3	2	3	6	7	3
31	3	3	1	2	2	2	3	9	11	-	6	6	3	2	0	0	1	3	9	9	2	5	2	0	4
MEAN	2	2	2	1	1	3	7	9	7	6	5	4	4	4	4	5	4	3	3	3	3	3	3	3	3.9

PERCENTAGE OF DATA VALID - 95.2

PERCENTAGE OF DATA INVALID - 3.1

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. ***** IND

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - C NO 31105		HYDRO SS SHERBOURNE/WILTON ST. TORONTO												MONTH - NOV 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	0	0	1	1	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	6	0	0	0	0	0
3	10	6	6	0	0	1	8	14	14	12	13	16	17	22	24	24	30	25	26	31	21	7	5	2	14
4	1	0	0	0	0	0	0	1	3	3	7	7	6	7	6	8	4	6	5	4	0	0	1	0	3
5	0	0	0	0	0	0	0	2	4	5	4	2	1	1	2	1	3	3	3	2	4	4	5	9	2
6	5	3	1	1	1	3	9	13	13	5	4	3	2	4	4	8	12	11	8	10	6	4	5	4	6
7	3	4	2	1	0	3	8	21	18	14	11	13	17	23	27	27	28	19	13	21	9	3	2	1	12
8	1	1	0	0	0	0	0	0	0	1	2	2	3	3	3	5	6	8	8	6	3	1	0	1	2
9	2	2	1	0	1	0	1	2	6	6	7	1	0	0	0	1	1	2	4	3	1	0	1	0	2
10	0	0	0	0	0	0	0	1	2	1	2	1	0	0	0	0	1	1	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	1	3	2	0	1	1	0	0	1	2	4	2	0	0	0	0	0	1
12	0	0	0	0	0	0	0	5	8	3	1	2	1	1	3	4	6	12	15	11	8	11	17	19	5
13	18	16	8	6	2	2	6	11	12	10	10	10	13	22	26	27	23	21	29	27	17	19	18	8	15
14	14	14	***	8	3	1	2	4	5	6	4	4	4	4	4	5	5	7	6	5	5	3	3	3	5
15	4	1	0	3	5	6	1	3	5	6	3	3	3	2	1	2	2	2	2	2	2	2	1	2	3
16	1	1	1	0	1	2	4	2	1	0	0	0	0	0	0	1	2	6	8	9	13	15	21	39	5
17	40	35	34	31	26	24	17	16	16	11	-	11	11	8	8	7	5	3	2	1	2	1	1	1	14
18	1	0	0	0	0	0	0	4	7	6	3	***	4	3	4	4	4	5	3	1	0	0	0	0	2
19	0	0	0	0	0	0	5	9	8	6	6	7	5	10	13	15	14	16	13	9	7	7	8	10	7
20	8	7	6	4	3	5	9	12	14	11	12	12	6	3	4	6	9	7	6	5	4	3	3	5	7
21	3	1	0	0	1	2	4	7	8	7	9	10	9	9	5	5	7	4	4	4	3	1	1	1	4
22	1	0	0	0	0	2	5	5	6	6	4	3	3	3	3	3	4	4	4	4	3	1	1	1	4
23	5	5	2	4	2	1	2	4	4	4	7	11	10	13	13	13	14	10	7	4	4	5	6	10	6
24	9	4	3	2	2	4	10	27	29	25	34	34	27	23	24	11	15	13	5	4	2	2	1	0	13
25	0	0	0	0	0	0	0	1	2	2	3	2	1	1	2	3	3	2	2	3	2	2	3	2	2
26	5	4	3	0	3	4	10	10	11	13	8	3	1	1	4	3	5	15	21	24	***	***	***	***	7
27	DATA INVALID																								7
28	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	9	17	14	11	4	4	4	4	***
29	6	5	4	3	2	0	0	2	3	4	3	3	2	2	1	1	1	3	4	6	2	1	1	4	3
30	1	2	2	1	0	1	0	1	3	2	2	2	3	5	5	3	3	5	6	9	4	3	6	5	3
MEAN	5	4	3	2	2	2	4	6	7	6	5	6	5	6	7	7	8	8	8	8	5	4	5	5	5.3

PERCENTAGE OF DATA VALID - 92.8

PERCENTAGE OF DATA INVALID - 6.5

PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	1	1	2	4	7	13	20	15	8	3	4	12	10	8	20	29	15	13	10	5	3	2	9
2	2	1	0	0	0	1	4	11	20	26	26	20	8	15	16	10	6	3	2	2	2	0	0	0	7
3	0	0	0	0	0	0	0	0	1	2	1	2	1	0	1	1	2	2	2	2	0	1	1	2	1
4	2	0	0	0	0	0	2	11	19	25	15	12	10	12	11	9	16	15	14	14	6	-	9	***	9
5	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
6	-	28	18	15	12	10	9	11	11	10	8	6	6	5	3	2	2	2	2	25	29	36	41	34	***
7	2	3	3	2	2	1	0	0	0	0	1	3	3	3	4	10	16	20	22	19	17	15	18	16	8
8	17	14	10	12	13	10	10	25	39	40	46	31	10	8	10	8	6	5	4	3	2	0	0	0	13
9	0	0	0	0	0	0	2	4	3	4	7	9	9	10	***	15	14	12	14	10	-	-	7	6	6
10	5	4	2	2	1	2	5	5	7	8	8	4	2	4	6	5	***	***	1	1	0	0	0	1	3
11	0	0	0	0	0	0	4	10	8	7	7	6	6	3	3	6	5	7	4	3	-	-	-	3	4
12	1	1	0	0	0	1	4	8	9	6	6	7	10	21	36	33	20	29	31	14	10	4	3	4	11
13	3	6	3	1	1	0	0	0	0	1	1	1	0	1	0	1	0	2	3	3	3	1	1	1	1
14	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	3	1	1
15	1	0	0	0	0	1	5	5	12	9	7	10	18	22	17	28	23	20	***	15	13	13	12	12	11
16	8	3	1	1	2	3	5	10	16	13	10	8	6	6	4	7	10	11	8	4	2	1	0	0	6
17	0	0	0	0	0	0	1	6	10	14	22	21	13	8	6	6	7	6	4	2	***	1	0	0	6
18	0	0	2	4	3	3	4	4	2	1	2	2	1	3	1	3	5	6	3	3	2	-	-	3	3
19	0	0	0	0	0	0	0	1	4	5	3	2	-	2	3	4	6	9	7	4	3	2	3	1	3
20	2	1	0	0	0	0	0	1	4	3	2	1	2	1	0	1	1	3	2	2	2	1	2	2	3
21	1	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	1	1	1	2	3	2	1
22	2	1	0	1	1	2	4	9	11	10	13	10	7	18	11	9	8	8	6	5	3	5	2	4	6
23	5	7	6	6	7	6	14	20	12	17	13	11	7	13	11	12	10	***	10	8	7	10	11	10	10
24	9	7	6	4	4	5	9	14	10	4	3	2	2	1	1	0	0	0	0	0	0	0	0	0	4
25	0	0	0	0	0	0	0	1	3	3	8	6	6	4	6	3	2	3	5	3	2	2	5	4	3
26	3	1	0	0	0	0	0	1	2	2	2	3	3	3	5	5	7	6	3	3	2	4	4	3	3
27	6	5	12	10	12	17	26	24	27	20	13	8	6	4	5	7	8	10	8	10	12	15	5	14	12
28	24	32	19	6	13	24	21	20	24	20	10	5	8	7	4	5	11	10	9	9	6	6	8	6	13
29	7	4	4	5	7	9	11	19	35	31	33	37	33	22	14	14	20	14	11	10	4	2	2	1	15
30	0	0	0	0	0	0	0	1	4	4	3	3	2	3	4	5	4	3	4	2	3	4	6	5	3
31	3	2	1	1	1	2	3	7	8	8	6	6	4	2	1	1	2	5	5	4	3	3	1	-	3
MEAN	4	4	3	2	3	3	5	8	11	10	10	8	7	7	7	7	8	9	7	7	5	5	5	5	6.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	3.3	12	34
FEB	23	2.8	11	32
MAR	30	3.2	16	63
APR	30	2.8	9	27
MAY	31	3.0	8	43
JUN	30	2.9	8	54
JUL	27	2.8	8	41
AUG	31	2.5	13	45
SEP	30	3.4	17	73
OCT	30	3.9	10	31
NOV	28	5.3	15	40
DEC	30	6.3	15	46
YEAR	350	3.5	17	73

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 31105 HYDRO SS SHERBOURNE/WILTON ST. TORONTO

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	581	82	33	6	2	0	0	704
FEB	474	61	24	5	1	0	0	565
MAR	590	71	49	10	2	1	1	724
APR	593	90	25	4	0	0	0	712
MAY	600	81	43	9	1	2	0	736
JUN	593	65	41	12	1	0	1	713
JUL	540	75	37	6	1	1	0	660
AUG	628	72	13	8	3	2	0	726
SEP	594	84	21	9	2	2	2	714
OCT	527	133	41	6	1	0	0	708
NOV	457	107	66	30	8	0	0	668
DEC	434	142	96	24	14	2	0	712
YEAR	6611	1063	489	129	36	10	4	8342

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.0	0	0.0	0.0	1.1	3.2	8.9	13.1	20.6	26.4	73	3.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003													LAWRENCE/KENNEDY SCARBOROUGH												
		MONTH - JAN 80																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	39	24	15	9	11	9	2	1	4	3	4	4	4	4	5	6	7	7	7	8	5	6	6	6	8
2	4	3	1	0	0	1	4	8	3	2	5	8	8	8	7	8	9	11	10	6	4	2	0	0	5
3	0	0	0	0	0	0	0	2	3	1	3	4	3	3	2	4	7	6	4	3	5	1	1	3	2
4	2	0	0	0	0	0	1	7	4	2	2	1	0	0	0	0	0	0	1	1	1	0	0	0	1
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	5	12	12	11	11	5	4	1	3
6	2	1	1	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	0	1	3	2	1	1	1	1	1	1	2	2	2	2	1	1	0	0	1
8	0	0	0	0	0	0	1	4	6	5	1	2	2	2	2	3	5	5	4	4	1	1	1	0	0
9	0	0	0	0	0	0	1	8	9	7	5	3	3	2	0	4	5	4	5	5	3	3	4	5	3
10	4	1	0	1	0	3	11	20	33	21	5	0	0	0	0	0	0	0	0	0	0	0	0	0	4
11	0	0	0	0	0	0	0	4	6	2	1	0	1	1	1	2	2	2	1	1	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0
13	1	3	2	3	4	4	1	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	0	1	0
14	0	0	0	0	0	0	1	4	8	8	8	9	9	7	7	9	7	7	4	2	2	1	1	1	1
15	2	3	5	2	1	1	8	24	27	12	1	0	0	0	0	0	0	0	2	3	2	5	6	3	4
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	3	1	2	1	1	1	4	8	10	8	9	9	8	10	10	8	9	10	7	4	4	4	4	4	1
19	2	2	1	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	2	2	2	1	1	0	3
20	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	2	2	2	1	2	1	1	1
21	0	0	0	0	0	0	0	3	6	5	3	3	4	4	4	8	6	3	4	9	15	11	7	7	4
22	4	4	2	1	1	0	0	2	3	2	2	2	4	5	5	5	8	7	4	3	2	2	1	1	3
23	0	0	0	0	0	0	0	0	2	3	1	1	0	0	0	1	3	2	3	2	0	1	0	0	1
24	0	1	1	0	0	0	0	0	4	4	2	2	1	1	1	4	6	8	6	4	5	10	13	16	4
25	8	6	6	3	3	3	9	21	30	31	30	26	13	13	11	9	11	15	11	7	11	12	5	5	12
26	1	0	0	0	0	0	0	0	0	0	0	0	2	2	2	5	8	8	9	12	6	4	5	3	
27	8	7	7	1	0	0	0	0	0	0	0	0	2	1	1	2	2	2	1	2	2	1	0	1	2
28	0	0	0	0	0	0	1	6	6	3	1	1	1	2	2	3	6	7	7	6	4	4	3	2	3
29	0	0	0	0	0	0	3	11	19	15	8	6	3	2	4	6	9	6	7	9	7	4	1	1	5
30	1	0	0	0	0	0	2	14	12	5	3	3	3	3	2	4	6	6	6	4	1	0	0	0	3
31	0	0	0	0	0	0	1	5	5	3	3	3	3	3	3	4	8	8	6	6	3	2	1	1	3
MEAN	3	2	1	1	1	1	2	5	7	5	3	3	2	2	2	3	4	5	4	4	4	3	2	2	2.9

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33003														LAWRENCE/KENNEDY SCARBOROUGH											
														MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	2	8	9	5	3	4	2	2	3	3	6	7	5	8	4	3	1	1	3
2	1	1	0	0	0	0	0	1	1	2	3	3	3	3	2	2	3	3	2	2	4	0	1	1	2
3	1	1	0	0	0	0	0	0	0	0	1	2	3	3	2	2	3	3	2	2	4	0	1	1	2
4	0	0	0	0	0	0	3	10	11	***	2	2	2	1	2	2	1	2	2	2	2	1	1	1	3
5	2	1	0	0	0	0	7	22	20	9	***	2	2	2	2	3	6	6	4	4	2	2	2	1	3
6	2	0	0	0	0	0	0	0	1	1	1	0	0	0	0	5	-	8	5	3	4	7	2	6	1
7	0	0	1	1	1	1	5	15	11	9	7	4	4	4	0	0	0	1	2	2	0	3	4	3	1
8	1	1	0	0	0	0	6	15	16	7	4	3	3	2	4	4	7	9	9	7	4	4	3	4	5
9	2	2	1	1	1	0	1	1	3	5	5	5	3	2	4	5	7	8	7	7	5	4	3	4	5
10	3	2	0	0	0	0	0	0	0	0	0	0	0	1	2	3	5	4	6	4	4	3	2	3	3
11	1	1	0	0	0	0	2	7	10	6	4	2	1	2	3	3	5	9	4	2	2	4	3	2	3
12	1	1	0	0	0	0	5	16	25	15	5	2	2	4	2	3	3	9	4	2	2	4	3	2	3
13	1	1	1	1	1	0	3	8	12	10	6	3	3	3	3	3	3	3	2	3	2	4	3	3	4
14	1	0	0	0	0	0	3	10	13	10	6	3	3	3	3	3	3	4	5	5	3	1	1	1	3
15	20	14	8	6	4	6	8	15	13	5	1	0	2	3	2	3	6	7	10	6	10	12	19	5	5
16	0	0	0	0	0	0	0	0	0	0	0	0	0	1	4	3	2	2	2	1	1	0	1	3	1
17	3	7	9	6	3	4	4	7	7	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
18	0	0	0	0	0	0	1	7	8	7	5	2	1	2	2	3	6	6	2	2	0	0	0	0	2
19	0	0	0	0	0	0	2	5	9	8	9	8	7	7	8	3	3	9	13	10	11	8	6	3	5
20	1	0	0	0	0	0	1	4	2	0	0	0	0	1	7	13	15	21	19	13	16	14	15	11	7
21	6	3	1	0	0	0	2	13	15	9	5	5	1	6	3	1	0	0	0	0	0	0	0	0	3
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
23	1	1	0	0	0	0	0	0	2	3	2	1	2	1	0	0	0	5	11	8	5	3	3	2	2
24	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	4	3	0	2	1	1
25	2	3	0	0	0	0	4	14	10	0	0	0	0	0	0	0	0	0	1	0	0	1	4	2	1
26	0	0	0	0	0	0	1	7	7	2	2	2	1	2	1	2	0	3	2	0	0	0	0	0	2
27	0	0	0	0	0	0	***	4	7	4	3	1	2	3	3	3	2	3	2	5	3	1	0	0	2
28	0	0	0	0	0	0	1	6	10	6	3	2	***	1	1	1	3	3	1	1	1	1	1	1	2
29	0	0	0	0	0	0	0	4	6	4	3	2	1	1	1	1	3	3	3	3	2	2	2	1	2
MEAN	2	1	1	1	0	0	2	7	8	5	3	2	2	2	3	3	4	4	4	4	3	3	3	3	2.5

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH												MONTH - MAR 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	1	1	1	0	0	0	0	1	1	1	2	2	2	2	2	2	2	2	3	3	2	2	2	2
2	1	2	3	1	0	0	1	2	2	1	0	0	0	0	1	0	1	1	1	1	1	2	1	2	1
3	4	4	3	2	1	2	4	9	9	7	6	4	1	1	1	2	***	3	1	0	0	0	0	0	3
4	0	0	0	0	0	0	2	7	10	7	5	4	4	3	3	4	5	6	8	14	19	18	19	10	6
5	2	0	0	0	0	0	0	0	0	1	0	0	0	3	9	21	14	5	1	1	0	0	0	0	2
6	0	0	0	0	0	0	0	5	4	3	1	1	1	1	0	0	2	2	1	2	3	2	1	4	1
7	6	4	3	1	1	2	7	14	14	13	9	5	3	4	2	3	4	5	7	4	3	5	3	0	5
8	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	0	0	0	0
9	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
10	0	0	0	0	0	0	0	5	7	4	1	1	0	0	0	0	2	2	2	1	0	0	0	0	1
11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	3	5	3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1
13	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	7	18	15	8	***	1	0	0	0	0	0	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	4	4	4	3	3	2	1
16	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	6	27	24	7	2	2	2	2	0	0	0	0	3	6	5	5	3	1	4
18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	2	3	3	4	1
19	5	6	6	5	6	7	5	7	5	3	3	4	2	2	1	1	2	5	6	4	0	0	0	0	4
20	6	5	3	1	0	0	4	10	9	5	3	3	2	***	0	0	1	2	2	1	0	0	0	0	2
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	6	4	3	1	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	1	3	4	4	4	3	2	3	3	3	1	2	2
23	2	2	2	1	0	0	0	0	0	1	2	2	1	0	1	1	2	2	3	1	0	0	0	0	1
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	0	0
25	1	0	0	0	0	0	0	3	5	3	2	1	1	1	1	1	3	6	4	3	3	2	2	1	2
26	2	1	0	0	0	0	1	5	8	6	3	2	1	1	0	***	6	9	14	15	8	3	2	3	4
27	2	1	1	0	0	1	4	9	10	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
28	0	0	0	0	1	2	6	9	10	6	1	0	0	0	0	0	0	1	2	11	13	6	1	0	3
29	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
MEAN	1	1	1	0	0	0	1	4	5	3	2	1	1	1	1	2	2	2	2	3	2	2	1	1	1.6

PERCENTAGE OF DATA VALID - 99.5 PERCENTAGE OF DATA INVALID - 0.5 PERCENTAGE OF DATA UNAVAILABLE - 0.0

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 2. ** INDICATES DATA IS UNAVAILABLE
 3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION														
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH												MONTH - APR 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	3	3	1	1	1	2	9	16	10	-	0	0	0	0	0	0	1	2	3	6	3	2	3	6	3	
2	5	6	5	4	5	7	10	11	11	7	4	3	1	1	1	1	3	4	6	6	5	3	2	2	5	
3	0	0	0	1	2	3	10	15	4	0	0	0	-	0	0	0	0	0	0	0	0	0	0	0	2	
4	0	0	0	0	0	0	0	0	0	1	1	1	2	2	3	2	1	0	0	0	0	0	0	0	1	
5	0	0	0	0	0	0	0	0	0	0	1	1	0	1	1	1	1	1	1	1	2	5	4	3	1	
6	4	3	2	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	0	1	2	1	1	0	
8	1	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	0	1	-	0	
9	0	0	0	0	0	0	0	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	
10	- DATA INVALID -																									
11	- DATA INVALID -																									
12	- DATA INVALID -																									
13	- DATA INVALID -																									
14	- DATA INVALID -																									
15	*****															1	2	2	3	3	4	5	5	3	1	*****
16	0	0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	1	2	1	1	1	1	1	2	1	
17	3	3	1	0	1	3	8	12	8	6	2	3	2	1	1	1	2	2	3	5	4	5	2	2	3	
18	2	1	1	0	0	0	3	9	7	3	2	1	1	1	1	2	3	4	4	7	8	8	7	7	3	
19	9	9	10	8	4	4	4	3	1	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	3	
20	1	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3	1	
21	1	0	0	0	0	0	1	6	7	4	2	1	1	1	1	0	1	3	4	4	3	-	-	-	5	
22	2	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	0	0	0	0	0	0	2	
23	0	-	-	-	-	-	0	0	0	0	0	0	0	0	0	0	0	0	3	3	7	1	1	0	1	
24	1	0	***	0	***	0	0	2	3	-	0	0	0	0	0	0	0	0	0	0	0	1	4	6	1	
25	3	1	0	0	0	0	1	6	9	7	5	3	1	0	0	3	5	2	3	6	10	12	12	11	4	
26	8	3	4	3	0	0	0	0	1	0	1	0	0	0	0	0	0	0	0	1	4	7	7	4	2	
27	3	3	5	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	7	0	0	0	0	0	0	
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	
30	1	1	0	1	0	1	1	1	3	3	2	4	3	2	0	2	0	1	4	-	10	15	13	6	3	
MEAN	2	2	1	1	1	1	2	4	3	2	1	1	1	0	0	1	1	1	2	2	3	3	3	3	1.6	

PERCENTAGE OF DATA VALID - 77.5 PERCENTAGE OF DATA INVALID - 20.1 PERCENTAGE OF DATA UNAVAILABLE - 2.4

- NOTES 1. ***** INDICATES INVALID DATA

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - MAY 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	1	0	0	0	3	12	14	11	4	1	1	0	1	1	-	3	****	3	7	14	9	4	2	4
2	1	0	0	0	0	2	10	6	2	0	0	0	0	0	0	0	0	0	2	6	8	8	10	9	3
3	12	11	10	7	3	2	3	4	3	2	1	0	0	0	0	0	0	0	0	1	1	2	2	2	3
4	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	0	0
5	0	0	0	0	0	1	5	10	7	3	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	2	4	3	2	1	1	1	0	0	1	0	0	0	0	0	0	1	0	0
7	0	0	0	0	0	0	3	6	3	0	0	0	****	1	0	2	2	2	1	0	0	0	0	0	1
8	0	0	0	0	0	0	2	5	3	1	1	1	3	4	3	4	4	2	1	2	2	1	0	0	2
9	0	0	0	0	0	0	1	2	2	1	0	0	0	0	0	0	0	0	0	1	1	0	1	1	0
10	0	0	0	0	0	0	1	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	4	3	1	0
12	0	0	0	2	3	9	12	9	1	0	0	0	0	0	0	0	0	0	0	1	4	3	1	0	2
13	0	0	0	0	0	0	0	0	2	4	0	0	0	0	0	0	2	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	4	7	6	4	2	1	2	2	14	5	5	3	4	5	5	3	3	-	3
15	1	0	0	0	0	2	7	10	4	2	1	1	****	****	****	4	3	1	3	5	5	5	7	7	3
16	4	1	0	0	0	4	13	19	11	4	1	1	1	1	1	1	1	0	0	4	9	13	23	38	6
17	36	16	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
18														- DATA INVALID -											
19														- DATA INVALID -											
20	****	****	****	****	****	****	****	****	****	****	****	****	****	****	0	0	0	0	0	0	0	3	6	12	****
21	11	5	3	1	0	1	7	6	3	0	0	0	0	0	0	0	0	0	0	0	2	3	4	5	2
22	3	0	0	0	0	0	5	10	4	1	0	0	0	0	0	0	0	0	0	1	5	9	13	8	2
23	7	6	3	1	2	7	16	17	10	2	0	0	0	0	0	0	0	0	0	3	10	17	12	1	5
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	2	2	1	1	1	0	0	0	0	1	1	2	2	1	1	1	0	0	1
27	0	****	0	0	0	1	7	10	7	4	2	2	1	1	1	2	2	2	4	5	4	3	2	0	3
28	0	0	0	0	0	1	7	12	10	2	****	0	0	0	0	0	0	0	0	0	2	3	4	9	2
29	8	5	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	3	2	1	0	0	1	4	6	3	1	0	0	0	0	0	1	1	0	1	1	3	3	4	4	1.7

PERCENTAGE OF DATA VALID - 89.7 PERCENTAGE OF DATA INVALID - 10.1 PERCENTAGE OF DATA UNAVAILABLE - 0.3

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 2. ** INDICATES DATA IS UNAVAILABLE
 3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - JUN 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	1	1	1	1	2	3	4	3	0	0	0	0	0	0	3	2	2	2	0
3	0	0	0	0	0	0	2	6	7	6	3	1	0	0	0	0	0	0	0	1	1	0	0	0	1
4	0	0	0	0	0	1	5	6	3	0	0	0	0	0	0	1	1	1	1	2	3	3	2	1	1
5	0	0	0	0	0	2	6	5	0	0	0	0	0	0	0	4	1	0	0	0	0	0	0	0	1
6	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	2	2	2	2	0
7	1	0	0	0	0	1	1	0	1	2	1	1	1	1	2	2	1	1	1	1	1	1	0	0	1
8	3	5	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	3	2	2	2	1
9	0	0	0	0	0	3	10	8	5	3	1	2	1	1	2	3	2	2	2	3	3	5	4	3	2
10	2	0	0	0	0	1	4	6	3	3	3	2	....	3	9	8	2	2	1	2	1	1	1	0	2
11	0	0	0	0	0	3	10	9	3	3	2	3	4	3	4	7	5	5	5	8	5	11	8	15	5
12	15	19	18	18	18	19	22	15	7	5	4	3	0	1	2	3	1	1	1	2	2	1	2	1	8
13	1	1	1	1	2	7	11	9	6	4	3	1	1	1	1	1	1	1	1	2	3	2	4	5	3
14	5	2	4	2	3	2	1	1	....	....	1	1	1	1	1	1	1	1	1	2	4	4	2	3	2
15	3	3	2	2	1	2	1	2	1	1	1	1	3	2	1	1	1	1	1	1	1	1	1	0	1
16	0	0	0	0	0	1	3	2	2	3	....	1	1	1	....	3	3	3	4	4	6	3	3	2	2
17	1	1	0	0	2	9	20	10	5	3	1	2	2	2	1	1	1	1	1	1	2	3	2	4	4
18	1	1	0	0	0	2	8	7	5	3	2	1	2	3	1	1	1	2	1	1	1	4	2	1	2
19	2	1	1	0	0	1	1	1	1	1	1	0	....	1	1	1	1	0	0	1	3	3	3	1	1
20	1	1	1	0	0	1	2	3	2	1	2	2	2	2	3	4	4	5	7	7	8	7	11	16	4
21	16	6	5	3	2	5	7	6	5	5	3	2	2	1	1	1	1	1	2	5	10	13	16	25	6
22	25	28	28	26	22	19	15	8	1	2	1	0	0	0	1	0	0	0	0	1	2	5	2	8	8
23	0	0	0	1	1	4	6	7	2	2	2	1	1	1	1	1	1	1	1	1	1	1	7	6	2
24	4	3	1	2	2	8	10	7	3	1	1	1	1	....	1	1	1	1	1	1	1	1	5	3	3
25	2	1	1	1	1	6	16	14	4	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	2
26	1	1	1	1	1	2	2	3	1	1	1	1	1	1	1	1	1	1	....	2	2	2	1	3	2
27	6	4	1	1	1	3	7	5	5	4	3	3	3	2	1	2	2	1	1	1	1	1	3	7	2
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	3	1	2	0	0
29	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	1	0	0	0	0	0	1	2	1	1	2	1	1	2	2	2	1	2	2	3	3	2	3	2	1
MEAN	3	3	2	2	2	3	6	5	3	2	2	1	1	1	1	2	1	1	1	2	3	3	3	4	2.4

PERCENTAGE OF DATA VALID - 98.6 PERCENTAGE OF DATA INVALID - 1.3 PERCENTAGE OF DATA UNAVAILABLE - 0.1

- NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 2. ** INDICATES DATA IS UNAVAILABLE
 3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION																	
STATION - C NO 33003						LAWRENCE/KENNEDY						SCARBOROUGH						MONTH - JUL 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN					
1	1	1	0	0	0	2	5	3	2	1	1	0	0	0	0	0	0	0	0	1	2	1	0	0	1					
2	0	0	0	0	1	4	9	4	2	1	1	1	1	1	1	1	1	2	3	5	4	3	1	0	2					
3	14	5	1	0	0	5	13	7	4	1	0	1	1	0	1	1	1	1	1	1	1	4	12	17	0					
4	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	3					
5	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	3					
6	7	2	0	0	2	6	18	19	16	8	3	1	0	0	0	0	1	1	1	1	1	1	1	1	4					
7	1	1	1	1	1	1	7	6	4	4	5	3	3	3	3	3	3	2	3	4	5	5	4	2	4					
8	2	1	1	1	1	2	8	6	1	0	1	3	2	1	4	4	2	1	0	1	4	6	11	22	4					
9	10	12	9	6	8	18	21	12	6	2	1	2	2	2	2	1	0	0	0	2	4	7	7	3	6					
10	0	0	1	0	1	2	3	4	2	2	1	1	1	0	1	1	1	1	2	2	3	3	3	1	2					
11	0	0	0	0	1	3	3	2	1	1	1	1	1	1	1	1	1	1	2	2	3	5	4	3	2					
12	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	5	4	3	2	2					
13	9	11	9	9	9	18	24	13	6	3	3	1	2	1	1	1	1	1	1	1	4	8	8	1	6					
14	1	1	0	0	0	1	7	12	11	4	2	2	1	1	1	1	1	1	1	1	1	4	8	8	1					
15	1	1	1	0	0	1	4	4	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1					
16	0	0	0	0	1	1	4	2	1	1	1	1	1	1	1	2	2	0	1	2	1	1	1	0	1					
17	1	1	0	0	0	5	8	4	2	1	1	1	1	1	1	2	2	2	2	3	4	3	4	2	2					
18	1	1	1	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	2					
19	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	2	1					
20	6	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2					
21	1	0	1	1	0	1	3	4	2	1	1	1	1	1	1	1	1	1	2	2	1	3	1	1	2					
22	1	0	0	0	1	3	8	9	6	6	4	3	2	1	1	1	1	1	2	2	2	1	1	1	1					
23	2	1	1	1	1	3	6	5	3	3	3	2	3	3	2	2	3	3	3	4	7	7	4	2	3					
24	3	3	1	2	2	8	16	10	5	2	2	2	3	3	2	2	3	2	3	4	4	5	5	3	4					
25	5	1	0	0	1	3	9	9	4	3	2	1	1	1	0	1	1	0	0	1	3	4	6	10	4					
26	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	2					
27	1	1	1	1	1	1	1	1	1	1	1	0	1	1	1	1	1	1	1	1	1	1	1	1	1					
28	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1					
29	1	1	1	1	1	4	11	5	0	1	1	1	1	1	1	1	2	1	1	1	1	1	1	1	1					
30	4	3	6	1	0	2	8	6	3	2	1	1	1	1	0	0	0	2	2	1	2	6	3	2	2					
31	4	2	2	2	5	8	12	6	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	2					
MEAN	3	2	1	1	1	4	7	5	3	2	1	1	1	1	1	1	1	1	1	2	3	4	4	3	2.5					

PERCENTAGE OF DATA VALID - 98.5 PERCENTAGE OF DATA INVALID - 0.8 PERCENTAGE OF DATA UNAVAILABLE - 0.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION														
STATION - C NO 33003													LAWRENCE/KENNEDY SCARBOROUGH														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
MONTH - AUG 80																											
1	0	0	0	0	0	4	7	8	9	8	2	1	1	1	1	1	1	1	1	2	8	7	4	3	3		
2	2	0	0	0	0	1	3	3	2	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1		
3	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	3	3	3	3	1		
4	4	2	3	1	0	3	3	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1		
5	0	0	0	0	0	0	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
6	1	1	1	1	1	2	5	5	3	2	15	1	1	1	1	2	2	2	2	2	2	2	2	2	1		
7	3	1	1	2	2	4	9	6	2	2	2	2	1	1	1	2	2	2	2	2	7	12	16	12	3		
8	2	2	2	1	3	6	6	4	2	2	2	2	2	3	3	2	2	2	2	2	2	2	2	2	4		
9	***	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	1	1	2	3	2		
10	2	1	1	1	***	***	1	1	1	2	2	2	2	2	2	2	2	3	3	4	3	3	3	2	2		
11	2	1	1	2	1	1	4	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1		
12	1	1	1	1	1	3	12	9	5	2	3	1	1	1	1	1	1	1	1	1	1	1	1	1	2		
13	2	1	1	2	2	8	15	12	5	3	3	2	***	2	2	2	3	3	3	3	3	2	3	2	3		
14	3	1	1	1	1	1	2	3	3	3	3	1	***	1	1	1	1	1	1	1	4	4	6	6	4		
15	1	0	0	0	0	2	6	5	3	3	3	2	3	2	2	2	1	1	2	2	3	4	3	2	3		
16	2	1	1	1	1	1	2	2	2	3	3	3	2	3	3	4	3	4	4	4	4	3	3	0	2		
17	4	4	3	4	3	4	5	1	0	1	2	2	1	1	1	1	2	2	2	4	5	5	3	1	2		
18	1	1	1	1	1	1	3	1	1	1	1	1	1	1	1	1	0	0	0	1	1	1	1	1	2		
19	3	1	2	3	5	10	***	29	8	2	1	1	1	1	1	1	1	1	1	1	1	0	1	2	1		
20	4	3	1	1	2	3	7	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1		
21	0	0	-	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
23	5	4	3	2	0	0	2	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	3	0		
24	2	1	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	2	2	2	3	1	1		
25	29	17	12	8	11	12	28	61	32	13	2	1	1	1	1	0	0	1	1	6	10	15	24	26	4		
26	2	1	1	0	1	4	10	-	5	4	2	1	1	1	1	0	0	1	1	2	1	1	4	3	10		
27	2	1	1	1	1	3	6	6	3	3	2	1	1	1	1	1	1	1	1	1	2	1	2	2	2		
28	1	0	0	0	0	0	1	2	2	1	1	0	0	0	0	0	0	1	1	3	2	2	1	1	2		
29	0	0	0	0	0	3	6	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
30	0	0	0	0	0	0	1	1	1	2	2	3	3	2	2	1	2	2	1	1	1	1	1	1	1		
31	1	1	1	1	1	1	1	1	2	1	2	2	1	1	1	1	1	1	1	1	3	4	1	1	1		
MEAN	3	2	1	1	1	3	5	6	3	2	2	1	1	1	1	1	1	1	1	2	2	3	3	3	2.0		

PERCENTAGE OF DATA VALID - 98.0 PERCENTAGE OF DATA INVALID - 1.6 PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY, SCARBOROUGH													MONTH - SEP 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	2	2	3	3	3	4	5	5	4	4	4	5	5	9	7	6	6	4	4
2	3	3	3	3	3	4	10	10	7	10	10	9	8	7	4	3	4	3	5	6	7	7	6	7	4
3	2	1	0	0	0	4	15	11	5	2	1	1	1	0	0	0	0	0	2	1	0	1	5	3	2
4	4	6	2	2	1	2	5	2	0	0	0	0	0	0	0	0	0	0	0	-	1	2	1	0	1
5	0	0	0	0	0	6	10	5	3	2	1	1	1	1	2	1	1	1	2	4	6	8	11	8	3
6	7	4	2	0	0	1	3	3	2	1	1	1	1	2	2	2	2	2	4	6	7	8	4	4	3
7	5	3	1	2	1	1	1	1	1	0	0	0	1	0	0	1	1	1	0	1	2	6	3	2	1
8	2	0	2	3	4	14	28	33	12	10	5	2	2	1	1	2	1	2	3	3	2	3	3	4	6
9	2	1	1	1	2	7	11	8	2	1	1	1	1	1	1	2	4	3	3	2	1	1	1	1	2
10	1	1	1	1	1	5	14	13	6	2	2	1	1	1	1	2	2	2	3	5	7	5	4	5	4
11	4	1	1	1	1	4	10	8	4	2	1	1	1	1	0	1	1	1	3	3	3	3	3	3	3
12	1	1	0	1	1	1	3	3	2	0	0	0	0	0	0	1	1	1	1	1	2	3	6	2	1
13	1	1	1	1	1	1	1	1	1	2	1	1	1	1	1	2	2	1	1	2	2	2	2	2	1
14	2	1	4	2	2	4	4	5	7	5	3	2	2	3	3	2	1	2	2	2	2	2	2	2	3
15	2	2	2	2	2	3	7	-	4	3	2	2	1	1	1	2	2	1	6	12	13	8	2	4	
16	1	1	1	1	2	4	5	6	5	3	2	0	0	1	2	2	1	1	0	0	0	0	0	0	2
17	0	0	0	0	0	0	0	1	1	1	1	1	2	2	2	4	3	3	4	5	3	1	6	11	2
18	5	0	0	0	0	2	12	11	0	0	1	1	0	0	1	1	1	3	5	1	1	5	4	10	2
19	0	0	0	0	0	5	20	16	7	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	2
20	0	0	0	0	0	1	1	1	1	1	1	1	1	0	1	0	0	0	0	1	2	2	0	0	1
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0
22	0	0	0	0	2	1	10	11	5	3	2	1	0	0	0	0	0	1	4	1	0	0	0	0	2
23	0	0	0	0	0	1	6	6	3	2	2	3	2	2	3	4	5	6	7	6	5	4	4	2	3
24	0	0	0	0	0	0	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	8	5	3	1
25	2	2	2	1	4	7	16	22	19	4	2	2	1	1	1	2	1	1	2	2	1	2	3	4	4
26	7	4	0	0	0	1	3	4	2	2	2	2	2	1	2	3	3	4	3	3	3	2	4	6	3
27	7	6	2	1	1	-	6	8	4	3	2	2	1	2	2	3	3	2	2	3	2	3	4	3	4
28	4	3	1	0	0	0	1	2	1	1	0	1	0	1	0	1	0	1	2	4	3	3	1	2	1
29	0	0	0	0	0	0	3	5	3	1	0	0	0	0	0	0	0	0	0	1	0	7	19	19	2
30	20	18	15	9	10	20	41	38	21	13	6	4	2	1	3	-	4	3	5	3	5	4	2	2	11
MEAN	3	2	1	1	1	3	8	8	4	3	2	2	1	1	1	2	2	2	2	3	3	4	4	3	2.8

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH															MONTH - OCT 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	4	3	2	2	2	8	7	5	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	2
2	1	0	0	0	0	1	2	6	5	3	4	2	2	3	6	7	8	5	9	17	10	10	11	10	5
3	7	5	6	5	*****	6	10	7	4	*****	*****	*****	*****	*****	9	9	5	*****	*****	*****	*****	*****	*****	*****	*****
4	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
5	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
6	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
7	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
8	6	3	1	1	1	1	3	5	2	3	1	1	1	1	1	1	1	1	3	6	7	11	17	18	14
9	0	0	0	0	0	4	8	8	3	1	1	1	1	1	1	2	2	4	7	4	3	4	5	9	3
10	5	4	5	5	8	13	26	34	4	0	0	0	*****	1	1	1	1	1	1	1	1	3	3	2	5
11	2	4	4	3	5	5	6	7	7	7	7	7	7	4	6	6	6	5	3	3	5	4	3	4	5
12	2	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2
13	2	2	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2
14	1	1	1	1	3	6	*****	*****	*****	*****	*****	*****	*****	3	3	5	8	9	14	15	13	8	4	2	1
15	2	1	1	1	1	1	0	4	4	3	3	2	2	6	12	14	13	19	19	19	19	19	19	19	8
16	19	19	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
17	2	2	2	2	2	2	4	5	5	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
18	2	2	2	2	2	2	3	4	3	2	2	2	2	2	2	2	2	3	28	6	4	4	4	4	4
19	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
20	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4	4
21	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
22	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****	*****
23	1	1	1	1	1	5	15	17	4	0	0	0	0	1	1	1	1	1	1	4	10	8	6	1	1
24	1	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	3
25	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	6	3	1	1	1	1	1	1
26	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
27	0	0	0	0	0	0	1	2	4	3	2	1	2	3	3	5	4	3	3	2	1	1	1	1	1
28	6	6	3	2	2	2	6	14	12	6	4	3	2	4	5	4	7	6	5	4	3	3	3	2	5
29	1	1	1	1	1	1	3	7	8	5	4	4	3	3	4	5	9	12	15	12	8	9	6	2	5
30	3	2	1	1	1	1	2	6	7	6	3	2	2	2	4	5	6	4	4	4	3	2	2	2	3
31	1	1	1	1	1	1	2	5	7	6	4	4	2	2	2	2	3	5	6	6	6	5	2	2	3
MEAN	3	3	2	2	2	3	6	8	5	3	4	2	2	3	4	4	4	6	6	6	5	5	4	4	4.0

PERCENTAGE OF DATA VALID - 80.5

PERCENTAGE OF DATA INVALID - 18.5

PERCENTAGE OF DATA UNAVAILABLE - 0.9

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3.

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH													MONTH - NOV 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	1	1	1	1	1	1	1	2	2	2	3	4	4	4	5	4	4	4	3	3	3	4	3	
2	3	2	2	1	1	1	1	1	1	1	2	2	2	3	3	3	4	8	17	13	20	18	11	8	5
3	6	4	3	-	1	1	2	3	3	2	2	1	1	-	2	2	3	4	7	13	5	2	2	2	3
4	1	0	0	1	1	1	1	2	3	2	2	2	2	3	3	4	6	7	6	6	2	2	3	2	3
5	1	1	1	0	0	0	2	8	8	5	4	5	2	2	2	4	5	6	5	6	7	9	7	4	4
6	3	3	1	0	0	2	3	6	6	4	3	4	4	3	2	-	5	6	4	3	3	2	4	3	3
7	3	3	1	1	1	1	4	12	13	10	7	7	6	8	3	3	8	9	11	14	11	5	3	3	6
8	2	2	1	1	0	0	1	2	1	1	1	0	1	3	3	4	7	10	4	3	0	0	0	0	2
9	0	0	0	0	0	0	-	0	0	1	4	2	1	1	2	3	2	2	2	3	2	2	2	1	1
10	1	0	0	0	0	0	1	2	3	1	1	1	2	2	2	2	2	4	2	1	2	1	1	1	2
11	0	0	0	0	0	0	0	4	3	2	2	2	2	2	2	3	5	5	3	3	2	1	1	0	2
12	0	0	0	0	0	0	1	6	7	3	2	2	2	1	-	3	7	13	18	14	11	10	14	10	6
13	13	12	11	6	4	2	5	8	8	7	8	10	11	12	14	12	8	17	23	23	40	36	27	19	14
14	19	13	***	7	5	4	9	10	7	7	7	7	6	5	7	7	10	9	6	2	2	2	1	1	7
15	3	6	10	9	7	6	7	9	10	8	7	6	6	7	6	8	10	9	7	6	7	5	2	2	7
16	1	1	3	3	5	5	6	2	2	2	3	3	3	3	3	3	4	4	9	20	18	20	29	36	8
17	28	44	46	26	17	10	10	13	13	7	-	1	1	1	1	2	4	5	4	2	2	1	1	2	10
18	1	1	1	1	1	1	1	3	5	4	2	4	5	4	***	8	7	5	4	2	1	1	1	1	3
19	1	1	0	1	1	1	5	9	8	4	4	4	5	7	6	7	10	12	10	8	6	4	6	10	5
20	6	5	5	5	4	3	9	21	15	9	7	8	6	4	5	6	9	8	5	4	4	2	2	3	6
21	2	1	1	1	1	2	3	6	8	6	4	5	4	5	6	7	7	5	5	4	4	3	2	2	4
22	1	1	1	1	0	1	4	7	7	4	3	4	5	5	4	4	4	5	6	5	5	4	3	4	4
23	3	4	4	2	2	2	3	3	2	3	5	5	6	6	7	6	6	5	6	4	3	3	5	7	4
24	7	6	6	4	3	2	4	13	24	18	11	13	12	10	11	10	12	16	10	9	7	5	3	3	9
25	1	1	1	0	0	1	2	5	0	1	4	4	3	2	3	4	7	7	7	8	7	8	10	12	4
26	7	6	4	3	4	4	8	19	22	19	11	6	4	4	5	6	16	25	31	36	36	40	32	23	15
27	-	5	5	1	0	1	1	1	1	1	1	0	0	***	0	1	1	1	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	1	1	1	1	1	1	1	6	10	10	11	10	10	9	7	6	8	5
29	6	4	4	2	2	1	1	1	1	1	2	2	3	4	3	2	2	2	3	3	5	6	3	1	3
30	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	3	3	3	2	2	2	2	3	2	2
MEAN	4	4	4	3	2	2	3	6	6	5	4	4	4	4	4	5	7	8	8	8	8	7	6	6	5.0

PERCENTAGE OF DATA VALID - 98.5

PERCENTAGE OF DATA INVALID - 0.6

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 33003 LAWRENCE/KENNEDY SCARBOROUGH														MONTH - DEC 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	3	2	2	2	2	5	10	13	14	8	6	5	5	2	***	***	***	***	***	***	***	***	***	***
2																									
3																									
4	***	***	***	***	***	***	***	***	***	***	2	3	4	3	4	9	15	18	8	6	9	-	5	4	***
5	1	2	1	0	0	0	1	5	8	3	1	0	0	0	***	0	0	2	24	31	30	26	24	20	8
6	18	5	6	7	5	4	4	1	2	3	2	0	0	0	0	0	0	0	0	1	6	-	2	3	8
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	36	34	18	13	8	7	6	11	23	19	20	9	6	5	3	8	8	7	4	4	4	2	1	1	11
9	0	0	0	0	0	0	4	10	17	11	4	3	4	1	0	0	0	2	12	14	-	-	8	8	4
10	6	4	4	1	0	0	2	6	8	5	3	3	3	1	1	3	***	***	2	2	1	3	2	1	3
11	1	0	0	0	0	1	8	14	11	5	4	3	2	2	3	4	4	4	4	4	-	-	-	3	4
12	2	0	0	0	0	1	7	16	14	6	4	4	5	1	4	13	36	31	16	10	7	4	3	3	8
13	3	2	2	1	1	1	1	1	2	3	4	4	4	4	5	3	3	5	5	10	9	3	1	0	3
14	0	0	0	0	0	0	0	0	0	0	1	1	0	1	0	0	1	2	1	1	2	3	3	5	1
15	1	0	0	0	0	0	4	13	12	9	7	11	12	7	7	10	14	13	***	8	5	4	5	4	6
16	1	0	1	1	1	2	4	9	9	11	8	8	6	5	5	6	8	8	8	9	5	1	1	2	5
17	1	0	0	0	0	0	2	11	15	8	8	10	8	11	6	5	7	9	5	2	***	1	1	1	5
18	1	1	0	0	0	1	3	4	3	3	2	2	2	2	2	4	4	4	3	2	2	-	-	2	3
19	1	1	0	0	0	0	1	7	6	4	4	3	-	-	3	3	6	8	8	8	7	3	2	1	3
20	1	1	0	0	0	0	2	6	12	13	7	6	5	4	5	5	5	6	7	8	4	3	1	1	4
21	1	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	3	3	4	3	4	3	2	1
22	1	1	0	1	1	2	8	16	19	18	16	12	15	11	11	11	12	11	5	4	4	6	4	4	8
23	5	6	5	5	6	6	9	14	15	15	11	10	11	3	11	9	7	9	***	9	8	7	6	6	8
24	5	5	4	4	3	3	6	11	12	7	5	5	5	5	5	4	4	3	2	2	1	1	1	1	5
25	1	1	0	0	0	0	0	1	2	2	3	3	3	5	8	9	10	6	19	31	33	12	6	5	7
26	3	2	0	0	0	0	0	1	2	2	3	4	4	3	5	6	7	9	8	9	6	4	5	8	4
27	7	12	10	11	15	18	45	35	21	9	3	4	4	3	3	4	4	3	2	2	3	4	7	9	10
28	9	14	16	18	17	11	13	20	22	9	9	4	7	7	6	6	7	9	11	13	14	10	10	7	11
29	6	6	8	9	11	9	6	20	27	13	11	10	6	10	9	10	11	8	6	5	5	5	2	2	9
30	0	0	0	0	0	0	0	1	1	1	2	3	2	3	4	3	9	6	5	9	4	3	2	1	2
31	1	0	0	0	0	0	0	1	1	1	1	1	1	0	0	2	3	1	0	0	0	0	0	-	1
MEAN	4	4	3	3	3	2	5	9	10	7	5	5	4	4	4	5	7	7	7	8	8	6	5	5	5.4

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003

LAWRENCE/KENNEDY SCARBOROUGH

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.9	12	39
FEB	29	2.9	7	25
MAR	31	1.6	6	27
APR	24	1.6	5	16
MAY	28	1.7	6	38
JUN	30	2.4	8	28
JUL	31	2.3	6	24
AUG	31	2.0	10	61
SEP	30	2.8	11	41
OCT	23	4.0	10	34
NOV	30	5.0	15	46
DEC	27	5.4	11	45
YEAR	345	2.9	15	61

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 33003

LAWRENCE/KENNEDY SCARBOROUGH

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	598	98	28	8	3	0	0	735
FEB	560	77	31	3	0	0	0	671
MAR	678	45	14	3	0	0	0	740
APR	508	40	10	0	0	0	0	558
MAY	602	42	20	1	2	0	0	667
JUN	636	44	23	7	0	0	0	710
JUL	653	51	26	3	0	0	0	733
AUG	683	26	13	5	1	0	1	729
SEP	623	60	26	3	2	1	0	715
OCT	471	92	30	3	3	0	0	599
NOV	492	146	50	11	8	2	0	709
DEC	431	131	74	11	10	1	0	658
YEAR	6935	852	345	58	29	4	1	8224

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT
OF DATA
VALID

MIN

10

30

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

50

70

90

95

98

99

MAX

ARITH
MEAN

93.6

0

0.0

0.0

0.9

2.5

7.0

10.3

16.5

21.3

61

2.9

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - JAN 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	30	35	38	38	33	27	24	20	11	3	1	1	1	1	1	3	3	4	4	2	2	3	3	3	12
2	3	3	1	1	1	1	2	5	6	3	1	1	1	1	0	0	1	1	1	1	1	2	1	1	2
3	1	0	0	0	0	0	1	4	4	2	0	0	0	0	0	0	0	1	1	3	8	7	3	3	2
4	2	2	2	0	0	1	4	8	6	3	2	1	1	0	0	1	1	0	1	1	2	2	1	1	2
5	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	0	1	8	14	10	10	12	15	3
6	4	2	3	5	3	2	2	2	2	2	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1
7	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	0	0	1	1	1	1	1	1	1
8	1	1	1	1	1	1	1	1	4	3	1	1	1	1	1	1	1	1	2	2	1	1	1	1	1
9	1	1	1	1	1	1	2	3	3	3	2	1	1	1	1	1	1	1	2	2	1	1	2	3	2
10	1	1	1	2	3	2	5	12	22	18	4	0	0	1	1	1	1	1	1	1	1	2	1	2	4
11	1	1	1	1	1	1	2	3	3	1	0	0	0	1	1	1	2	1	1	1	1	1	1	1	1
12	1	1	1	1	1	1	0	1	1	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1
13	1	1	1	2	3	7	2	1	1	0	0	0	0	0	0	1	0	0	1	1	1	1	1	2	1
14	1	1	1	1	1	1	2	3	3	5	6	3	3	2	1	2	4	6	4	4	5	6	4	4	3
15	4	5	5	4	4	4	8	20	27	22	4	2	1	1	1	3	4	4	7	6	2	1	1	1	6
16	1	1	1	1	1	1	2	3	2	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
17	1	1	1	1	1	1	3	6	9	8	8	8	7	7	7	6	6	6	6	10	7	3	4	3	5
18	3	3	3	2	3	3	4	5	6	6	6	6	6	7	7	5	3	4	5	3	2	2	2	2	4
19	2	2	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
20	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	1	1	1	1	1	1	1	2	3	2	1	0	0	0	0	0	0	0	0	0	1	4	7	4	5
22	4	5	3	2	2	1	1	2	2	2	1	1	3	3	3	3	4	3	2	2	1	1	2	2	2
23	2	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	0	1	1	0	1	1	1	1	1
24	1	1	0	1	0	0	1	2	3	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
25	11	11	13	10	9	9	10	17	13	12	19	16	10	5	3	2	3	3	4	4	3	4	4	2	8
26	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	2	4	5	3	1
27	4	7	1	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	1	1	1	1	1	1	1	4	3	2	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1
29	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
30	1	0	0	0	0	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	1	0	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
MEAN	3	3	3	3	3	2	3	4	5	4	2	2	1	1	1	1	1	1	2	3	3	3	2	3	2.4

PERCENTAGE OF DATA VALID - 96.0

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - FEB 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	1	2	2	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1
2	1	1	0	1	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	....	0	0	0
4	0	0	0	0	0	0	0	1	2	...	...	...	...	0	0	0	0	0	0	0	0	0	0	0	0
5	1	1	2	1	1	1	3	15	14	5	2	...	...	1	1	1	1	1	2	4	3	3	4	3	3
6	4	4	4	2	1	1	3	4	3	3	...	...	...	1	1	1	1	1	2	4	3	3	4	3	3
7	3	13	3	2	1	1	2	4	8	6	2	1	1	1	1	1	1	1	2	4	3	3	4	3	3
8	1	1	1	1	1	1	5	14	11	4	1	1	0	1	1	0	0	0	2	2	1	1	1	1	2
9	1	1	1	1	1	1	0	1	1	1	1	0	0	1	0	0	0	0	1	1	1	0	1	1	2
10	1	1	2	1	1	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1
11	2	1	1	1	1	1	1	2	3	5	3	1	1	1	0	0	1	2	0	1	1	2	2	2	1
12	1	1	1	1	1	1	2	8	12	7	2	0	0	0	0	0	0	0	0	1	1	2	2	2	2
13	2	1	1	1	1	1	2	3	5	6	3	1	2	1	1	...	0	0	0	1	1	2	2	2	2
14	1	1	1	1	1	2	2	5	8	6	2	0	0	0	0	0	0	0	1	4	2	1	1	1	2
15	16	18	16	13	11	10	14	22	22	9	3	1	1	1	1	...	0	0	...	2	1	3	12	15	3
16	2	1	1	0	0	0	0	1	1	2	2	2	2	1	0	0	0	0	0	0	0	1	...	1	8
17	4	4	4	6	4	4	4	7	8	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2
18	0	0	1	1	0	1	1	3	5	6	4	1	1	...	3	3	5	3	3	5	2	1	1	1	2
19	1	1	2	1	2	4	2	3	5	6	6	5	5	5	5	5	10	12	21	17	17	13	14	5	7
20	3	2	2	2	2	3	6	9	7	8	5	4	6	7	5	8	16	12	9	8	11	10	9	10	7
21	8	5	2	1	1	1	1	3	5	3	2	3	2	2	...	3	2	2	1	1	1	0	0	0	2
22	0	0	0	1	1	1	1	1	1	1	0	0	1	1	0	1	2	2	6	10	7	2	1	1	2
23	1	1	1	1	1	1	1	1	1	0	0	0	1	0	1	1	2	1	2	3	2	3	3	1	1
24	1	3	3	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1
25	1	1	1	1	1	1	1	1	4	4	3	1	1	1	0	...	1	1	1	1	1	1	1	1	1
26	1	1	1	1	1	1	1	1	2	2	1	1	1	1	0	1	1	0	1	3	1	1	1	1	1
27	1	1	1	1	1	1	...	2	3	3	2	1	0	0	0	0	0	0	1	1	1	1	1	1	1
28	1	1	1	1	1	1	1	3	4	1	1	1	1	0	...	1	1	1	0	0	0	0	1	1	1
29	1	1	0	0	1	1	1	1	2	2	1	1	1	1	...	1	1	1	0	0	0	0	0	1	1
MEAN	2	2	2	2	1	1	2	4	5	3	2	1	2	1	1	1	2	2	2	2	2	2	2	2	2.0

PERCENTAGE OF DATA VALID - 97.1

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 0.3

NOTES 1. ***** IND

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - MAR 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2	2	2	1
2	2	4	4	4	4	4	4	5	5	3	1	1	1	1	1	0	0	1	1	1	2	2	2	3	2
3	4	4	4	2	3	4	5	6	6	6	4	2	2	1	1	2	2	0	0	1	0	1	1	1	3
4	1	1	1	1	0	0	1	3	4	2	2	2	2	3	2	2	2	3	7	5	3	4	11	3	3
5	2	2	1	1	1	1	2	3	4	5	4	3	3	3	11	12	2	1	1	1	1	1	0	2	5
6	1	1	1	1	1	1	1	2	2	2	1	1	1	2	1	1	1	1	1	1	1	0	2	1	3
7	2	1	1	1	2	1	3	5	8	5	4	2	2	2	2	1	1	2	4	8	7	4	2	2	3
8	2	4	2	1	1	1	1	2	2	2	1	1	2	2	2	1	1	1	2	2	2	1	1	1	2
9	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	1	1	1	1	1	1
10	1	1	1	1	1	1	1	3	3	3	2	2	2	2	2	2	2	2	2	2	1	1	1	1	2
11	1	1	1	1	1	1	1	2	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1
12	1	1	0	0	0	0	1	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	3	1	1	1	0	1	1	2	1	1	1	1	1	1	1	1	1	1	2	4	3	3	2	3	1
14	2	1	1	1	1	1	2	7	7	6	3	1	2	2	2	2	2	1	1	1	1	1	2	2	1
15	1	1	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2
16	9	10	11	11	6	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	7	1
17	1	1	1	1	1	1	4	19	23	6	4	4	4	4	6	7	9	8	4	4	4	1	1	1	2
18	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	5
19	5	9	8	8	9	10	11	9	4	4	4	3	3	2	2	2	1	2	4	4	2	5	9	11	6
20	12	12	11	11	7	4	5	12	10	5	3	3	2	1	1	1	1	1	3	4	2	1	1	3	5
21	2	1	2	1	1	1	1	1	1	1	1	2	2	4	3	1	0	0	0	0	0	0	0	0	1
22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
23	1	1	1	1	1	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1
24	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	2	2	2	1	1	1	1	1
25	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	2	4	4	5	3	2	1	1
26	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1
27	3	2	1	1	1	1	3	10	9	7	0	1	0	0	2	3	6	8	6	7	1	2	4	4	2
28	1	1	1	2	2	2	5	12	11	7	2	1	2	2	2	1	1	1	0	0	1	1	0	2	4
29	3	2	1	1	1	1	1	1	1	1	1	1	2	2	2	1	5	7	13	16	5	2	3	4	4
30	2	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1	1	2	2	2	2	1	1
31	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	2	3	3	1
MEAN	2	2	2	2	2	1	2	4	4	2	1	1	1	1	2	1	1	1	2	2	2	2	2	2	1.9

PERCENTAGE OF DATA VALID - 98.8

PERCENTAGE OF DATA INVALID - 1.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - APR 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	5	4	3	2	2	4	15	10	-	1	1	1	1	0	1	2	2	4	7	1	2	2	2	2
2	3	4	3	5	5	6	3	3	1	1	0	0	0	0	0	1	1	1	0	1	1	1	1	1	2
3	1	1	1	1	1	1	6	12	3	1	0	0	-	0	0	1	1	0	0	0	0	0	0	0	0
4	0	1	1	1	1	1	1	1	1	1	1	2	1	1	1	0	0	0	0	1	1	1	1	1	1
5	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1
6	3	5	2	2	2	1	3	1	0	0	0	0	0	0	0	0	0	0	0	0	1	2	2	1	1
7	1	1	1	1	1	0	1	2	3	2	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1
8	1	1	1	1	1	1	3	3	3	2	1	1	0	1	1	1	1	3	2	2	2	2	2	2	2
9	1	1	1	1	1	1	4	8	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
10	1	1	1	1	1	1	1	2	2	1	1	1	1	1	1	0	1	1	1	2	2	2	1	1	2
11	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1	0	1	1	1	1	1	1	1
12	4	4	2	1	1	1	2	2	1	2	1	6	4	2	2	1	1	0	1	1	1	1	1	1	2
13	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2
14	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	2	2	1	1
15	1	1	1	1	1	1	1	2	2	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1
16	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	2	2	3	2	1	0	1
17	2	3	2	3	2	3	5	7	6	3	2	3	3	1	1	1	1	0	0	0	0	0	0	1	0
18	1	1	1	1	1	1	2	3	1	1	0	0	0	0	0	0	0	0	0	1	2	1	1	1	2
19	11	11	14	13	13	12	10	6	3	2	1	0	0	0	0	0	0	1	0	1	0	1	8	8	2
20	3	3	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	4
21	3	2	2	1	1	2	2	2	2	1	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1
22	8	6	7	5	5	5	3	2	2	1	1	1	2	2	1	0	0	0	0	3	1	8	-	-	9
23	2	1	1	1	1	1	1	2	1	1	1	1	1	1	1	0	-	1	3	3	2	2	-	-	2
24	3	3	2	2	2	2	2	2	2	1	1	1	1	1	1	1	2	1	1	1	1	1	1	2	1
25	4	3	2	1	1	1	3	3	2	1	0	0	0	1	0	0	1	1	0	1	1	4	4	4	2
26	6	6	8	6	5	4	3	1	0	1	0	0	0	0	1	2	3	2	6	3	2	5	8	6	3
27	16	14	10	7	4	3	3	1	0	0	0	0	0	0	0	0	0	0	0	2	9	7	13	14	4
28	1	1	1	1	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3
29	1	1	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1
30	4	5	4	3	4	5	5	5	4	2	1	3	2	1	0	0	0	0	0	1	1	1	1	3	3
MEAN	3	3	3	2	2	2	2	3	2	1	1	1	1	1	0	1	1	1	1	2	2	2	3	3	1.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION											
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK															MONTH - MAY 80											
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	16	13	10	3	2	3	5	5	4	2	....	0	0	1	1	-	5	....	2	5	10	11	1	2	5
2	3	4	1	1	1	4	8	4	1	1	1	4	2	1	1	1	1	1	2	2	5	5	9	14	3	
3	12	10	10	9	8	9	7	2	1	0	0	0	0	0	0	0	0	0	1	1	1	2	2	6	3	
4	6	5	5	4	3	2	2	1	0	....	....	....	....	0	0	0	0	0	0	0	1	1	1	1	2
5	1	1	1	2	2	5	13	5	4	5	2	2	....	....	1	1	1	2	3	3	3	3	3	3	3
6	3	3	3	3	3	2	2	2	2	2	2	2	2	....	....	1	1	2	3	3	3	3	3	3	3
7	3	3	3	3	3	3	3	....	0	1	1	1	1	1	1	1	2	2	2	2	2	2	2	2	2
8	3	2	2	2	2	2	3	4	3	2	2	2	2	....	....	2	3	2	2	2	2	2	2	2	2
9	2	2	2	2	2	2	2	2	2	2	1	1	1	1	1	2	1	2	2	2	2	2	2	2	2	
10	3	3	3	3	3	4	4	3	2	3	2	2	2	2	2	2	2	3	3	3	3	3	3	3	3	
11	3	3	3	2	2	2	2	2	2	2	2	2	2	2	2	2	1	2	2	2	3	4	9	7	3	
12	7	7	7	7	7	8	14	8	4	3	2	2	....	....	1	2	2	1	2	3	9	9	9	7	5
13	6	5	4	4	4	4	4	3	5	5	2	2	1	1	1	2	3	5	4	3	8	2	3	2	3	
14	2	1	1	1	1	1	2	2	2	1	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	
15	1	1	1	1	1	1	2	1	0	....	....	....	....	0	0	0	1	1	1	1	1	2	9	10	2
16	10	9	6	5	5	7	10	11	5	1	7	6	4	4	3	2	2	2	1	2	5	10	12	16	6	
17	21	24	25	23	17	16	9	3	1	2	1	1	1	1	0	0	0	0	1	1	2	1	1	1	6	
18	1	2	2	2	2	1	1	0	0	1	2	3	3	2	1	1	1	1	1	1	2	1	2	2	1	
19	1	1	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	4	5	3	1	
20	2	2	2	2	1	2	2	2	1	1	1	1	....	....	1	1	1	1	1	1	2	6	7	8	10
21	13	14	14	11	8	8	11	14	9	4	2	2	2	2	3	3	2	2	2	2	2	4	6	8	6	
22	5	2	1	2	2	2	6	7	2	1	2	4	2	1	1	2	2	1	2	2	6	8	9	3
23	8	7	7	7	6	7	11	18	7	5	5	3	3	2	1	1	1	2	2	1	2	2	6	7	12	14
24	9	9	6	6	5	5	6	4	3	1	1	0	0	0	0	0	0	0	0	1	2	2	2	2	3	
25	3	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	2	3	
26	2	2	2	2	2	1	2	2	1	1	1	1	1	....	....	0	0	0	1	2	2	2	2	2	1
27	2	....	1	2	2	2	3	2	1	1	1	1	0	....	....	0	0	1	1	1	2	2	2	2	1
28	1	1	1	1	1	1	....	3	5	3	1	1	1	0	....	0	1	1	1	1	2	3	4	2	2
29	11	12	12	8	2	2	3	0	1	1	....	....	....	1	1	1	1	2	2	2	4	8	11	3	3
30	1	1	1	2	2	2	4	4	2	2	2	2	1	39	6	3	3	4	4	4	4	4	3	3	4	
31	4	3	3	3	3	2	2	2	2	2	1	1	1	1	1	1	1	1	2	2	2	2	2	3	2	
MEAN	5	5	5	4	3	4	5	4	2	2	2	2	1	2	1	1	1	2	2	2	3	4	4	5	3.0	

PERCENTAGE OF DATA VALID - 96.4 PERCENTAGE OF DATA INVALID - 3.2 PERCENTAGE OF DATA UNAVAILABLE - 0.4

- NOTES 1. INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
 2. ... INDICATES DATA IS UNAVAILABLE
 3. INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH																											
POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT														UNITS - 0.01 PARTS/MILLION													
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK														MONTH - JUN 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN		
1	3	2	2	2	2	1	1	0	0	1	1	1	1	2	2	2	2	3	3	4	3	3	3	3	3	2	
2	3	3	3	3	2	4	6	5	4	6	7	6	7	....	....	3	4	2	1	1	1	2	3	7	7	4
3	2	2	2	2	2	2	3	2	3	2	1	1	0	0	0	0	0	0	0	1	1	1	1	2	2	1	
4	2	2	1	1	2	2	2	1	1	1	1	1	0	0	0	0	0	0	0	1	1	1	1	4	6	2	
5	4	2	1	2	2	4	7	6	2	1	1	0	1	....	....	1	0	0	0	0	1	1	4	6	5	2
6	2	1	1	1	1	1	2	3	2	1	1	4	3	1	0	1	1	1	1	0	0	1	2	7	6	2	
7	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	1	1	1	1	
8	3	3	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	
9	2	1	1	1	1	3	5	4	3	1	0	0	0	0	....	....	0	0	0	0	1	0	1	2	3	1
10	1	1	1	1	1	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	4	1	0	
11	1	1	1	1	1	1	1	1	1	1	0	1	1	3	2	0	0	0	0	1	1	7	10	11	12	2	
12	14	16	18	20	20	23	23	10	2	1	1	1	....	....	....	0	0	0	0	0	1	1	1	2	2	7
13	4	4	4	4	4	5	8	8	4	3	2	0	0	0	0	0	0	0	0	0	1	1	2	5	7	3	
14	12	12	5	4	4	5	2	1	....	....	....	0	0	0	0	0	0	0	0	0	1	2	4	4	8	3
15	7	5	5	4	5	3	3	3	1	1	0	0	0	0	0	0	0	0	1	1	1	2	4	4	8	3	
16	1	1	1	1	1	2	3	2	1	0	....	....	....	....	....	0	0	0	0	1	1	1	1	1	1	2
17	3	2	2	2	3	4	8	8	3	2	3	2	2	1	0	0	0	0	0	1	1	1	1	2	4	1	
18	1	1	1	3	3	4	2	4	3	1	1	1	1	0	0	0	0	0	0	1	1	1	2	5	1	2	
19	4	4	3	2	2	5	3	1	0	0	0	0	0	0	0	0	0	0	0	1	1	4	3	2	3	2	
20	4	2	2	2	2	1	1	1	0	....	....	....	....	....	....	1	1	1	1	1	2	2	2	3	3	2
21	18	16	15	11	8	6	2	1	1	1	0	0	1	1	1	1	1	1	1	1	6	9	10	12	5	5	
22	14	17	18	19	21	22	20	12	3	1	0	0	0	0	0	0	0	0	0	1	1	1	3	6	7	7	
23	3	2	2	2	2	3	6	6	3	2	....	....	....	....	....	0	0	0	0	0	1	1	1	2	4	2
24	4	5	6	6	6	7	10	6	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	4	2	2	
25	5	4	3	3	2	4	7	4	2	1	1	1	1	0	1	1	1	1	1	2	2	2	3	6	3	3	
26	3	5	8	10	7	4	3	2	1	1	1	1	1	0	1	1	1	1	2	....	....	....	....	....	....	....
27	6	9	7	4	3	3	3	2	1	1	1	1	1	1	1	1	1	1	1	2	2	4	4	7	3	2	
28	4	4	3	3	3	2	2	1	1	1	1	1	1	0	0	1	1	1	2	3	4	4	6	5	3	3	
29	3	4	4	4	3	2	3	2	2	2	2	1	1	2	2	1	1	2	3	3	3	3	3	5	2	3	
30	3	3	3	3	3	1	1	1	1	0	....	....	....	....	....	0	0	0	0	1	2	3	4	7	4	3
MEAN	5	5	4	4	4	4	5	3	2	1	1	1	1	1	1	1	0	1	1	1	2	3	4	5	2.4		

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT													UNITS - 0.01 PARTS/MILLION												
STATION - C NO 34002													SC CTR 770 DON MILLS RD. NORTH YORK												
MONTH - JUL 80																									
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	3	3	2	2	3	3	2	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1
2	2	2	2	2	2	1	2	1	1	0	0	0	0	0	0	0	0	0	0	0	2	2	3	2	1
3	3	4	5	6	6	7	8	9	11	****	1	1	0	3	2	1	0	0	0	2	10	13	15	17	5
4	18	19	21	20	16	10	8	3	1	1	1	1	1	1	1	1	3	2	2	3	3	2	8	9	6
5	9	11	10	9	8	6	3	3	1	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	3
6	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	5	12	9	12	2
7	14	16	14	11	10	9	15	15	10	****	****	1	0	0	0	0	0	0	0	0	0	0	1	1	5
8	1	1	1	1	1	1	4	5	1	1	1	0	0	0	0	0	0	0	0	0	1	2	4	3	1
9	1	1	1	2	2	4	11	12	3	0	0	1	0	0	0	2	2	1	1	0	0	1	6	12	3
10	15	16	19	20	19	20	26	17	****	****	****	1	1	0	1	0	1	0	0	0	2	3	5	10	4
11	3	5	4	3	2	1	2	2	1	5	2	0	0	0	0	0	0	0	0	0	1	1	1	1	1
12	2	1	1	1	2	3	2	1	0	0	0	0	0	0	0	0	0	0	0	1	5	3	4	4	
13	1	2	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	0	0	1	5	3	4	4	
14	10	12	13	14	14	16	17	12	3	1	****	0	0	0	0	0	0	0	0	0	7	7	8	7	2
15	1	1	1	1	2	1	6	4	8	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
16	2	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	3	4	7	6
17	1	3	1	1	1	1	2	1	1	0	0	0	0	0	0	0	0	0	1	3	1	2	1	1	1
18	3	3	2	2	1	1	6	8	3	****	0	1	1	1	1	0	0	0	0	1	2	1	3	2	1
19	2	1	2	1	2	2	3	2	1	1	1	1	1	1	1	0	0	0	0	0	1	3	2	2	2
20	5	5	4	4	3	1	1	1	0	1	1	1	1	1	1	1	2	1	1	2	2	2	4	2	2
21	1	1	1	1	1	1	3	2	2	1	****	0	1	0	0	0	0	0	0	0	0	1	1	1	1
22	1	1	1	1	1	1	2	8	7	1	1	0	1	0	0	0	0	0	0	0	0	1	1	1	1
23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	0	0	0	0	1	3	-	-	-	2
24	10	10	9	8	8	10	11	7	4	1	****	0	0	0	0	0	0	0	0	0	2	6	8	9	****
25	3	0	0	0	0	0	3	5	3	0	0	0	0	0	0	0	0	0	0	0	0	0	2	5	4
26	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1
27	3	1	2	1	1	1	1	1	0	0	0	0	0	0	0	0	0	1	2	3	1	4	5	6	1
28	1	1	1	1	1	1	1	1	0	0	****	0	0	0	0	0	0	0	0	0	1	1	1	1	1
29	1	2	4	2	1	1	3	1	1	1	1	1	1	0	0	0	0	0	0	0	-	-	-	3	1
30	8	7	6	5	3	1	3	2	1	0	0	0	0	0	0	1	0	0	0	1	1	3	7	9	2
31	11	10	9	8	7	8	10	10	1	1	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3
MEAN	5	5	5	4	4	4	5	5	2	1	1	0	0	0	0	0	0	0	0	0	1	2	3	5	2.4

PERCENTAGE OF DATA VALID - 95.4

PERCENTAGE OF DATA INVALID - 1.5

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION														
STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK												MONTH - AUG 80														
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	1	1	1	2	3	6	10	9	****	1	0	0	0	0	0	0	0	0	0	2	4	2	2	2	
2	2	2	2	2	2	1	1	2	2	1	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	
3	2	2	2	2	2	2	2	2	1	0	0	0	0	0	0	0	0	0	0	0	1	2	5	7	1	
4	6	6	5	5	5	4	4	3	1	0	0	0	0	0	0	0	0	0	0	0	2	2	2	2	2	
5	2	2	2	2	2	2	3	3	1	1	1	1	1	****	0	1	1	1	1	1	1	2	2	2	2	
6	2	2	3	3	2	2	2	2	1	0	0	0	****	0	0	0	****	0	0	6	7	9	3	2	2	
7	2	4	3	3	2	2	7	5	2	1	1	0	0	1	0	0	0	-	0	0	1	1	2	2	2	
8	****	2	2	2	3	3	6	1	1	0	****	0	0	0	1	1	0	0	0	0	1	1	1	2	1	
9	2	2	2	2	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	1	
10	2	2	2	2	****	****	3	1	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	3	4	
11	5	5	5	5	4	5	8	4	2	0	0	0	****	****	****	2	****	0	0	1	1	1	1	2	3	
12	2	2	2	2	2	2	4	5	3	0	0	0	0	0	0	0	0	0	0	0	1	1	2	2	2	
13	2	2	2	2	2	3	7	6	2	1	****	0	0	13	0	0	0	0	0	0	1	1	2	2	2	
14	7	4	3	2	2	4	6	2	1	0	1	0	0	0	0	0	0	****	0	0	1	1	4	10	2	
15	2	2	2	2	2	2	3	3	1	1	0	0	0	0	0	0	0	0	0	0	3	6	4	2	2	
16	2	2	2	2	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	2	2	2	1	
17	8	7	6	6	6	6	5	2	0	0	0	0	0	0	0	0	0	0	0	0	3	3	4	5	1	
18	2	2	2	2	2	2	3	4	2	1	1	1	0	0	0	1	0	0	1	1	1	1	2	2	3	
19	7	7	5	6	5	6	****	13	6	1	0	1	0	0	0	0	0	0	0	1	1	4	5	6	2	
20	8	7	6	6	6	8	14	4	1	1	0	1	0	0	1	0	0	0	1	1	7	7	7	8	4	
21	1	1	-	****	2	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	3	
22	2	2	2	2	2	2	2	2	1	1	****	0	0	0	0	0	0	0	0	0	1	1	2	2	1	
23	8	7	7	5	2	2	2	1	1	0	0	0	0	0	0	0	0	0	0	1	2	5	6	8	2	
24	3	5	5	4	2	2	1	1	1	1	0	0	0	0	0	0	0	0	0	0	1	2	5	7	2	
25	21	24	26	26	25	24	28	33	26	13	2	2	****	****	0	1	0	0	0	6	9	10	12	15	3	
26	2	2	2	3	2	2	3	-	3	2	1	0	1	0	0	0	0	0	1	1	2	3	3	2	12	
27	2	2	2	2	2	2	3	2	3	2	1	0	0	0	0	0	0	0	0	1	1	2	2	2	1	
28	2	2	2	2	2	3	3	3	2	1	0	0	0	0	0	0	0	0	0	1	4	2	2	2	1	
29	4	4	2	2	2	3	11	6	1	1	1	1	****	****	0	0	1	0	0	0	1	1	2	2	1	
30	2	2	2	2	2	3	4	6	3	1	0	0	1	0	0	0	0	0	0	0	1	1	1	1	2	
31	1	2	2	3	2	1	1	0	0	1	1	1	0	1	0	0	0	1	0	1	1	3	1	1	1	
MEAN	4	4	4	4	3	4	5	4	3	1	0	0	0	1	0	0	0	0	0	0	1	2	3	3	4	2.1

PERCENTAGE OF DATA VALID - 96.6

PERCENTAGE OF DATA INVALID - 3.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	30	2.4	12	38
FEB	29	2.0	8	22
MAR	31	1.9	6	23
APR	30	1.7	5	17
MAY	31	3.0	6	39
JUN	30	2.4	7	23
JUL	30	2.4	9	26
AUG	31	2.1	12	33
SEP	30	3.5	11	44
OCT	31	3.2	9	36
NOV	30	4.2	16	48
DEC	31	4.9	15	49
YEAR	364	2.8	16	49

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34002 SC CTR 770 DON MILLS RD. NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	640	48	18	6	4	0	0	714
FEB	616	34	23	3	0	0	0	676
MAR	680	37	17	1	0	0	0	735
APR	662	30	16	0	0	0	0	708
MAY	615	71	26	4	1	0	0	717
JUN	630	49	22	4	0	0	0	705
JUL	611	58	39	2	0	0	0	710
AUG	651	52	7	8	1	0	0	719
SEP	571	73	56	5	1	1	0	707
OCT	619	62	44	5	1	0	0	731
NOV	591	57	34	16	10	5	0	713
DEC	545	109	51	17	9	6	0	737
YEAR	7431	678	353	71	27	12	0	8572

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.6	0	0.0	0.3	0.9	1.9	6.4	10.5	16.5	22.0	49	2.8

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007

BATHURST/WILSON, NORTH YORK

MONTH - JUL 80

[illegible]

PERCENTAGE OF DATA VALID - 62.8

PERCENTAGE OF DATA INVALID - 34.1

PERCENTAGE OF DATA UNAVAILABLE - 3.1

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. " " INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007

BATHURST/WILSON. NORTH YORK

MONTH - AUG 80

[illegible]

PERCENTAGE OF DATA VALID - 73.1

PERCENTAGE OF DATA INVALID - 26.5

PERCENTAGE OF DATA UNAVAILABLE - 0.4

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "." INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

UNITS - 0.01 PARTS/MILLION

MONTH - NOV 80

HOUR DAY	JANUARY - DECEMBER												MONTH - NOV 80												24	MEAN
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23			
1	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0		
2	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0		
3	26	22	18	-	1	2	9	22	40	39	31	26	28	30	30	50	52	49	54	40	46	45	43	35		
4	8	3	2	1	2	4	19	25	17	7	3	5	6	1	1	6	3	3	3	2	1	1	2	0		
5	0	0	0	0	0	0	0	2	3	1	0	1	1	1	1	0	1	2	1	2	3	2	3	4		
6	5	5	0	1	3	5	12	32	33	25	20	14	13	8	7	0	3	3	6	4	4	3	8	11		
7	9	3	3	2	2	5	16	28	49	32	20	13	-	26	45	45	49	39	27	15	3	1	1	2		
8	1	1	0	0	0	0	0	0	0	0	0	0	1	3	6	19	22	33	34	41	35	23	11	5		
9	11	11	6	4	1	1	9	15	16	13	7	1	1	1	1	1	1	1	2	3	2	1	0	0		
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
11	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0		
12	0	0	0	0	0	0	0	1	2	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0		
13	11	23	16	14	11	10	23	46	49	41	31	30	26	16	18	41	58	25	27	21	14	12	11	10		
14	16	15	....	5	1	1	1	2	1	0	....	0	0	0	0	1	1	51	21	1	1	0	0	0
15	0	0	1	2	14	15	13	14	9	3	1	0	0	0	0	1	1	25	27	21	14	12	11	10		
16	0	0	1	2	2	3	2	0	0	....	0	0	0	0	0	0	0	1	1	1	0	0	0	0	
17	53	43	30	21	17	13	15	35	52	65	-	0	0	0	0	0	0	7	39	27	20	40	27	27		
18	0	0	0	0	0	0	0	0	1	1	0	0	24	25	28	30	34	38	34	25	18	9	2	0		
19	0	0	0	0	0	0	12	39	21	1	0	0	0	0	....	1	2	3	0	0	0	0	0	0	
20	20	18	17	14	8	10	20	20	18	13	15	20	21	16	22	8	7	16	18	21	16	19	12	12		
21	11	4	6	7	7	10	29	43	39	18	11	11	9	6	....	3	4	3	2	2	1	1	0	1	
22	0	0	0	0	0	5	21	32	24	13	10	12	13	15	19	26	30	31	22	21	19	10	10	15		
23	17	24	12	9	5	4	7	10	13	14	17	22	28	30	30	29	36	33	35	28	29	32	27	23		
24	13	9	9	13	17	21	15	12	16	14	16	....	9	5	3	3	....	....	4	2	2	1	0	0
25	0	0	0	0	....	....	0	0	1	1	0	0	0	0	0	0	0	0	1	1	1	1	5	5
26	16	6	6	1	0	11	19	21	14	9	4	0	0	0	0	0	0	4	14	46	43	30	23	14		
27	-	7	13	21	21	17	30	39	30	32	20	18	13	13	....	12	14	15	12	11	9	9	11	10	
28	5	4	3	4	5	23	43	44	36	29	32	35	36	12	5	5	7	14	24	21	19	13	7			
29	5	6	8	3	1	0	1	3	5	4	5	2	3	6	0	0	0	0	0	1	1	0	2	2		
30	0	2	1	1	0	....	0	0	0	0	0	1	2	5	12	20	19	17	17	18	21	14	19	17	
MEAN	8	7	5	4	4	5	10	16	16	13	9	9	9	9	10	13	15	13	15	14	11	9	9	8		

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 2.1

PERCENTAGE OF DATA UNAVAILABLE - 1.0

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ".." INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

MONTH - DEC 80

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH - DEC 80

MONTH - DEC 80

HOUR DAY	MONTH - DEC 80															MEAN									
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	6	3	3	3	4	5	23	23	23	11	5
2																									
3																									
4																									
5																									
6																									
7																									
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26																									
27																									
28																									
29																									
30																									
31																									
MEAN	9	10	8	6	5	5	11	12	15	11	11	10	12	14	14	12	11	10	14	14	10	11	10	10	10.6

PERCENTAGE OF DATA VALID - 28.4

PERCENTAGE OF DATA INVALID - 71.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	7.7	30	68
FEB	29	5.3	25	48
MAR	31	10.4	31	67
APR	29	11.7	25	55
MAY	31	7.6	23	74
JUN	24	9.1	28	58
JUL	20	7.1	23	48
AUG	23	9.5	23	55
SEP	30	10.1	27	74
OCT	30	10.9	34	83
NOV	30	10.1	28	65
DEC	8	10.6	25	59
YEAR	316	9.1	34	83

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 34007 BATHURST/WILSON, NORTH YORK

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	473	78	87	46	25	11	9	729
FEB	497	52	60	38	19	5	0	671
MAR	383	79	123	72	52	13	8	730
APR	330	57	125	112	55	10	4	693
MAY	465	66	97	72	15	7	7	729
JUN	317	55	105	65	17	10	1	570
JUL	278	48	99	30	9	3	0	467
AUG	279	51	117	66	22	8	1	544
SEP	375	64	126	98	30	11	5	709
OCT	387	72	87	71	40	21	18	696
NOV	378	64	119	74	36	21	6	698
DEC	94	35	40	31	8	1	2	211
YEAR	4256	721	1185	775	328	121	61	7447

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
84.8	0	0.0	0.3	2.7	11.6	26.0	32.8	42.4	48.6	83	9.1

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.2	7	36
FEB	29	1.5	8	43
MAR	31	1.2	7	41
APR	21	1.5	6	22
MAY	31	1.4	5	31
JUN	28	1.5	5	28
JUL	31	1.9	4	18
AUG	31	1.5	4	34
SEP	30	2.4	10	40
OCT	29	2.5	14	68
NOV	29	2.3	13	68
DEC	31	4.0	17	54
YEAR	352	1.9	17	68

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35003 ELMCREST ROAD, ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	684	35	8	1	1	0	0	729
FEB	613	36	12	5	1	1	0	668
MAR	686	29	13	2	1	1	0	732
APR	533	38	13	1	0	0	0	585
MAY	669	28	25	2	1	0	0	725
JUN	615	23	16	5	0	0	0	659
JUL	646	55	19	0	0	0	0	720
AUG	667	35	14	4	2	0	0	722
SEP	609	46	28	14	3	0	0	700
OCT	615	45	33	3	5	3	1	705
NOV	601	39	31	7	4	1	1	684
DEC	548	89	57	11	8	3	2	718
YEAR	7486	498	269	55	26	9	4	8347

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
95.0	0	0.0	0.0	0.0	0.8	5.2	9.1	15.6	21.1	68	1.9

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE., ETOBICOKE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	5.4	11	54
FEB	27	5.7	13	34
MAR	28	4.0	12	58
APR	30	3.9	10	36
MAY	29	5.0	9	46
JUN	28	5.0	11	47
JUL	31	4.7	10	34
AUG	30	8.3	16	47
SEP	27	7.1	20	74
OCT	31	7.6	20	53
NOV	30	7.4	23	51
DEC	31	10.0	28	80
YEAR	353	6.2	28	80

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 35033 EVANS/ARNOLD AVE., ETOBICOKE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	450	183	87	7	3	1	1	732
FEB	379	170	80	20	2	0	0	651
MAR	532	101	45	10	2	3	1	694
APR	535	92	56	10	4	0	0	697
MAY	487	115	75	23	2	3	0	705
JUN	455	151	57	14	3	1	0	681
JUL	531	119	64	14	1	0	0	729
AUG	269	190	211	24	3	1	0	698
SEP	365	196	68	19	9	3	5	665
OCT	360	178	140	35	8	6	1	728
NOV	374	183	97	26	12	9	1	702
DEC	339	150	131	51	29	12	8	720
YEAR	5076	1828	1111	253	78	39	17	8402

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	60	70	80	90	95	98	99	MAX	ARITH MEAN
95.7	0	0.0	1.3	3.6	6.7	13.7	19.4	28.2	34.9	80			6.2

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	1	4	10	14	10	8	5	4	1	1	2	3	3	4	14	25	11	13	7	2	6
2	1	1	1	1	0	1	1	3	4	5	2	1	1	3	6	2	2	1	2	1	0	0	0	0	2
3	0	0	0	0	0	0	2	1	1	0	0	0	1	1	1	1	0	0	1	1	1	3	2	0	1
4	0	0	0	0	0	0	1	2	3	3	5	4	0	0	0	0	1	4	11	9	7	8	7	7	3
5	6	5	5	3	3	3	3	7	9	10	4	1	1	0	0	0	0	0	0	8	9	9	11	16	5
6	20	22	19	15	14	9	8	10	11	11	2	0	0	0	0	0	0	0	0	1	1	3	4	5	6
7	5	5	6	2	1	2	5	5	5	6	6	7	7	9	9	11	19	15	9	6	6	6	5	4	7
8	3	3	3	3	3	2	7	11	10	6	2	2	2	2	2	3	5	5	2	1	1	0	1	1	3
9	1	0	0	0	0	1	5	13	17	9	2	2	1	1	1	1	2	3	8	11	4	2	2	1	4
10	1	1	1	1	0	1	2	3	3	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
11	0	0	1	1	2	2	4	8	9	3	2	1	1	1	1	1	2	2	1	1	1	1	1	1	2
12	1	1	1	2	1	1	5	7	***	4	4	5	8	12	8	3	2	2	2	2	2	2	1	1	3
13	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0
15	0	0	0	0	0	0	2	5	7	4	5	3	3	2	3	3	6	10	14	17	13	9	8	6	5
16	5	3	2	1	1	1	2	3	4	3	1	1	1	1	1	1	1	2	2	1	0	1	1	1	2
17	0	0	0	0	0	0	0	5	8	3	2	4	3	***	2	2	2	2	1	2	1	1	1	1	2
18	1	1	1	1	1	1	1	3	4	2	2	2	1	1	1	1	2	1	1	1	1	0	1	1	1
19	1	1	0	0	0	0	0	1	1	0	0	0	1	1	1	1	6	12	2	1	1	1	1	1	1
20	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	1	2	2	1	1	1	0	1	1
21	1	0	0	0	0	0	0	0	0	1	1	0	0	0	1	1	1	1	1	1	2	3	2	2	1
22	2	1	1	1	1	3	7	12	9	7	6	5	5	7	7	8	9	5	1	1	6	9	19	16	6
23	15	11	8	8	9	7	6	11	21	11	6	4	4	4	3	3	3	2	3	2	2	2	3	3	6
24	3	2	2	2	2	2	4	5	8	6	1	1	0	0	0	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	1	1	0
26	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	2	2	2	1
27	2	2	2	2	1	2	4	12	21	24	14	9	6	6	4	3	4	7	8	9	9	9	10	7	7
28	18	28	33	35	30	25	21	19	21	16	8	3	2	2	2	3	4	4	4	5	5	7	7	6	13
29	5	4	3	2	4	4	6	9	14	17	16	13	***	6	8	11	12	14	8	4	3	2	1	1	7
30	1	0	0	0	0	0	0	1	1	1	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1
31	1	1	1	1	1	1	1	3	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
MEAN	3	3	3	3	2	2	3	6	7	5	3	3	2	2	2	2	3	3	3	4	3	3	3	3	3.2

PERCENTAGE OF DATA VALID - 99.6

PERCENTAGE OF DATA INVALID - 0.4

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR		DATA UNAVAILABLE		
MAY		DATA UNAVAILABLE		
JUN	5	2.5	3	15
JUL	31	1.9	7	37
AUG	31	1.8	8	45
SEP	30	3.0	8	37
OCT	31	2.2	7	41
NOV	30	2.6	7	36
DEC	31	3.2	13	35
YEAR	189	2.4	13	45

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44008 HWY2/NORTH SHORE BLVD E.BURLINGTON

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	DATA UNAVAILABLE							
MAY	DATA UNAVAILABLE							
JUN	127	2	2	0	0	0	0	131
JUL	689	26	22	4	1	0	0	742
AUG	693	22	9	2	2	2	0	730
SEP	619	55	23	10	6	0	0	713
OCT	684	35	18	0	0	1	0	738
NOV	628	55	19	8	3	0	0	713
DEC	599	86	44	10	2	0	0	741
YEAR	4039	281	137	34	14	3	0	4508

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	FREQUENCY 50	CONCENTRATIONS DISTRIBUTION 70	PERCENT 90	95	98	99	MAX	ARITH MEAN
87.8	0	0.0	0.2	0.7	1.7	5.2	8.8	15.0	20.7	45	2.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	6	3	6	8	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
2	0	0	0	0	0	0	0	1	2	1	1	2	3	2	1	1	2	2	1	1	0	0	0	0	1
3	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
4	DATA INVALID																								
5	DATA INVALID																								
6	DATA INVALID																								
7	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
8	1	1	1	1	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	1
9	1	2	1	1	1	1	3	10	12	6	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	1	1	0	1	1	2	2	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0
15	2	0	2	5	3	3	6	10	22	18	13	1	0	0	0	0	0	0	0	0	0	0	0	0	3
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	4
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	1	1	1	1	1	1	1	2	2	4	4	4	0	1	1	0	0	2	2	2	2	1	2	1	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	1	2	1	0	0	0	0	1	1	1	2	9	24	7	2	1	1	2
22	1	0	0	0	0	0	0	0	0	1	0	0	0	2	1	1	1	3	2	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	1	1	2	4	4	5	10	12	7	1	1	1	1	1	2	1	2	11	17	12	5	2	1	1	1
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
29	0	0	0	0	0	0	2	3	2	1	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0
30	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	1	1	1	1	0	1
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	0	0	0	1	1	1	1	1	2	2	1	0	0	1	1	1	1	2	2	2	1	0	1	1	1.0

PERCENTAGE OF DATA VALID - 86.4

PERCENTAGE OF DATA INVALID - 13.6

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

PERCENTAGE OF DATA VALID - 99.9 PERCENTAGE OF DATA INVALID - 0.1 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. ".*" INDICATES DATA IS UNAVAILABLE
3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

PERCENTAGE OF DATA VALID - 29.8 PERCENTAGE OF DATA INVALID - 0.0 PERCENTAGE OF DATA UNAVAILABLE - 69.4

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE
2. "-" INDICATES DATA IS UNAVAILABLE
3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	26	1.0	4	24
FEB	29	1.2	6	37
MAR	9	1.4	4	28
YEAR	64	1.1	6	37

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44010 1298 REBECCA ST OAKVILLE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	614	19	8	2	0	0	0	643
FEB	664	17	10	3	1	0	0	695
MAR	216	3	2	1	0	0	0	222
YEAR	1494	39	20	6	1	0	0	1560

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
71.4	0	0.0	0.0	0.0	0.5	1.9	4.3	9.3	14.2	37	1.1

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	1	1	0	0	1	2	8	7	5	3	----	----	1	1	3	10	22	30	26	13	7	1	1	7
2	1	1	0	0	0	0	0	1	3	3	2	1	1	1	1	1	2	1	1	1	0	0	0	0	1
3	0	0	0	0	0	0	0	1	0	1	0	0	1	----	0	1	0	0	0	0	1	0	0	0	0
4	0	0	0	0	0	0	0	1	3	5	7	3	0	0	0	0	0	10	12	9	8	-	9	7	3
5	4	4	3	2	2	2	4	6	10	14	8	0	0	----	0	0	0	0	13	18	13	12	18	24	7
6	23	20	16	14	11	8	7	8	10	11	1	0	0	0	0	0	0	0	0	0	0	0	0	0	5
7	-	-	0	0	0	-	4	5	7	9	8	8	7	9	11	10	12	14	18	21	12	13	16	5	9
8	5	5	3	1	1	1	4	7	9	3	2	2	2	2	2	2	2	2	2	1	0	0	0	0	2
9	0	0	0	0	0	0	4	14	18	9	4	1	2	0	0	0	1	4	7	7	-	-	1	1	3
10	0	0	0	0	0	0	0	2	3	1	1	1	1	0	1	1	----	----	0	0	0	0	0	0	1
11	0	0	0	0	0	1	6	16	8	2	1	1	1	1	1	0	1	2	1	0	-	-	-	1	2
12	0	0	0	0	0	0	3	5	7	5	----	3	4	3	6	5	2	2	3	2	1	1	1	1	2
13	1	1	1	0	1	0	0	1	1	1	0	0	1	0	1	1	1	2	2	3	3	1	1	2	1
14	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	2	3	2	1	1	1	1
15	1	1	0	0	0	0	3	9	8	4	6	3	4	----	----	----	----	----	----	----	----	----	----	----	----
16	----	----	----	----	----	----	----	----	5	4	2	1	1	1	1	1	1	2	1	1	1	2	0	0	2
17	0	0	0	0	0	0	0	2	2	5	3	7	11	7	2	3	2	2	0	0	----	0	0	0	2
18	0	2	2	2	1	0	0	2	2	1	0	0	0	0	0	0	0	0	0	0	0	-	-	-	1
19	0	0	0	0	0	0	0	0	0	1	0	0	0	-	0	1	3	11	16	2	0	0	0	0	2
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	6	3	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
22	0	0	0	0	0	0	3	9	20	15	9	7	5	7	5	4	7	3	1	1	0	2	10	12	5
23	11	6	5	5	6	6	6	11	8	13	9	5	6	5	4	4	4	4	----	5	2	3	3	3	6
24	3	3	2	2	4	3	6	9	11	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
25	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	1	0	0	1	3	3	2	4	4	4	1	1	1	2	1
27	2	2	1	3	4	3	4	5	8	9	3	5	6	3	8	8	14	17	20	16	13	13	11	11	8
28	12	14	14	11	9	10	13	16	15	9	4	2	2	2	3	3	3	5	5	5	5	6	6	8	8
29	1	0	1	2	2	2	9	22	34	20	13	8	----	8	9	10	14	15	8	5	3	1	1	1	8
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	2	4	2	1	1
31	1	1	1	0	0	0	2	4	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0
MEAN	2	2	2	1	1	1	3	5	6	5	3	2	2	2	2	2	3	4	5	4	3	3	3	3	3.0

PERCENTAGE OF DATA VALID - 94.1

PERCENTAGE OF DATA INVALID - 3.9

PERCENTAGE OF DATA UNAVAILABLE - 2.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN		DATA UNAVAILABLE		
FEB		DATA UNAVAILABLE		
MAR		DATA UNAVAILABLE		
APR	8	1.3	3	15
MAY	31	1.1	5	28
JUN	27	1.3	3	16
JUL	29	1.7	3	17
AUG	31	1.9	6	39
SEP	29	2.9	5	41
OCT	21	2.2	5	22
NOV	6	2.3	5	23
DEC	30	3.0	9	34
YEAR	212	2.0	9	41

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 44015 BRONTE RD/WOBURN CRES. OAKVILLE

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	DATA UNAVAILABLE							
FEB	DATA UNAVAILABLE							
MAR	DATA UNAVAILABLE							
APR	180	8	1	0	0	0	0	189
MAY	699	20	10	2	0	0	0	731
JUN	629	18	3	0	0	0	0	650
JUL	671	30	13	0	0	0	0	714
AUG	689	33	10	1	2	0	0	735
SEP	608	46	33	9	0	1	0	697
OCT	462	30	13	2	0	0	0	507
NOV	137	11	4	2	0	0	0	154
DEC	569	71	52	7	1	0	0	700
YEAR	4644	267	139	23	3	1	0	5077

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
76.9	0	0.0	0.1	0.6	1.1	4.3	7.9	12.9	16.4	41	2.0

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	21	19	12	9	7	8	5	6	3	2	1	1	1	1	2	2	2	3	4	4	5	4	4	4	5
2	6	2	1	0	0	0	1	2	1	1	1	1	1	1	2	1	0	1	1	1	1	1	1	1	1
3	0	0	0	0	0	0	1	2	4	1	0	1	0	1	1	1	1	0	1	2	2	1	1	1	1
4	0	1	0	0	0	0	1	2	2	2	2	2	4	4	3	3	4	3	2	2	2	1	1	1	2
5	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	2	7	13	8	3	1	0	1
6	1	2	1	1	1	0	0	0	1	1	1	2	3	4	2	2	5	4	2	2	2	2	1	1	2
7	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
8	0	0	0	0	0	0	0	2	2	3	2	1	1	1	1	1	1	2	2	2	1	0	0	0	1
9	0	0	0	0	0	0	0	1	3	3	3	2	1	1	1	0	0	0	0	0	0	0	0	0	1
10	0	0	1	1	0	0	4	9	12	10	8	4	4	4	4	6	5	6	5	3	3	3	2	2	4
11	2	1	1	0	0	1	4	5	8	12	3	2	1	2	1	1	1	1	0	0	0	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0
13	0	1	0	0	0	1	1	0	0	1	1	1	2	3	3	3	3	2	3	5	12	7	2	3	2
14	2	0	0	0	1	0	2	2	3	2	3	6	5	3	2	2	4	5	4	4	4	7	4	2	3
15	5	2	1	0	0	0	4	4	3	1	0	1	1	1	1	5	14	28	9	11	3	1	1	3	4
16	1	0	1	0	0	0	2	4	8	4	3	2	2	2	1	3	3	3	3	2	1	1	1	1	2
17	0	0	0	0	0	0	2	3	4	3	4	6	5	4	5	7	7	7	5	4	7	3	3	2	3
18	1	2	2	1	1	1	2	4	4	3	4	2	4	5	5	7	8	2	2	1	1	1	1	1	3
19	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	7	10	17	15	2
22	9	5	7	6	4	2	0	0	1	1	0	0	1	2	3	4	4	3	2	2	1	0	1	1	2
23	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	2	4	5	3	0	0	0	0	0	1	1	3	2	3	2	1	1	4	1
25	3	1	1	0	1	6	10	25	26	17	3	0	0	0	0	0	1	7	9	2	0	1	0	0	5
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	2	0	0	0	0	0	0	2	5	2	0	0	0	0	0	1	1	0	0	0	0	0	0	0	1
28	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	2	1	0	0	0
29	0	0	0	0	0	0	0	0	1	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1	1	1	1	1	1	0	0	0	0	0
MEAN	2	1	1	1	1	1	1	3	3	2	1	1	1	1	1	2	2	3	2	2	2	1	1	1	1.6

PERCENTAGE OF DATA VALID - 99.1

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. --" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION															
STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA											MONTH - DEC 80															
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN	
1	1	0	1	3	2	3	9	10	6	6	6	3	0	0	1	10	13	8	12	13	11	6	4	2	5	
2	1	0	0	0	0	0	2	3	5	7	10	10	9	3	8	7	4	2	1	2	1	0	0	0	3	
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	
4	0	0	0	0	0	0	3	5	3	1	1	1	1	0	0	0	0	4	4	5	4	11	-	10	3	
5	1	0	0	0	0	0	2	3	3	1	2	4	***	4	4	2	8	19	33	43	15	8	18	18	8	
6	12	9	4	3	4	5	11	4	2	2	4	5	3	5	6	8	5	3	3	1	1	1	1	1	4	
7	-	-	1	0	0	-	0	0	1	1	2	2	3	4	4	4	5	3	5	6	18	14	17	21	5	
8	15	11	6	7	5	9	8	8	9	13	16	18	11	8	3	6	2	1	1	1	0	0	0	0	7	
9	0	0	0	0	0	0	2	3	8	3	2	1	3	8	6	8	9	6	3	2	-	-	7	8	4	
10	9	8	3	3	4	2	2	4	1	1	1	1	***	1	1	2	***	***	0	0	0	0	0	0	2	
11	0	0	0	0	0	0	4	16	15	5	4	4	2	1	2	3	4	5	4	2	-	-	-	2	3	
12	3	2	2	2	5	2	7	24	27	16	11	3	7	12	11	14	17	11	12	18	18	17	8	0	10	
13	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	3	3	4	0	1	
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
15	0	0	0	0	0	2	11	5	5	7	5	3	1	1	2	8	10	9	***	3	2	1	1	1	3	
16	0	0	1	0	0	0	1	2	3	2	1	1	2	1	1	3	3	3	2	3	3	2	0	0	1	
17	0	0	0	0	0	0	1	3	3	2	1	3	3	5	4	3	8	5	3	1	1	***	1	1	0	2
18	0	0	0	0	0	0	1	0	0	0	0	0	0	***	0	0	0	3	3	2	1	0	-	-	1	
19	0	0	0	0	0	0	0	0	0	0	0	0	0	-	0	0	0	0	3	3	3	2	2	5	3	
20	1	1	5	2	1	1	1	0	1	2	1	1	1	0	0	0	0	0	1	2	2	5	4	1	1	
21	1	1	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	2	12	2	0	0	2	1	
22	6	7	9	9	9	16	27	6	4	3	6	6	5	6	14	12	9	5	3	2	1	4	2	7	7	
23	1	1	2	3	4	3	12	15	19	23	11	12	11	8	4	6	6	4	***	8	8	8	10	11	8	
24	8	7	4	5	5	5	4	3	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	
25	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	9	10	8	10	21	29	12	4	
26	8	7	8	5	0	0	0	0	0	1	1	0	1	1	1	1	2	4	4	5	3	2	3	4	3	
27	5	7	15	10	9	15	14	7	14	2	2	3	3	3	2	1	1	1	1	2	1	0	1	1	5	
28	1	1	0	0	0	0	1	2	2	5	10	3	3	3	3	4	4	3	7	9	8	6	3	3	3	
29	2	2	4	6	3	3	3	5	10	13	6	6	4	7	6	7	8	6	3	2	3	1	1	0	5	
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	1	1	5	5	7	1	1	1	
31	0	0	0	0	0	0	0	0	0	0	1	3	3	2	2	1	1	1	0	1	0	0	0	-	1	
MEAN	3	2	2	2	2	2	4	4	5	4	3	3	3	3	3	4	4	4	4	5	5	4	4	3	3.4	

PERCENTAGE OF DATA VALID - 96.9

PERCENTAGE OF DATA INVALID - 1.1

PERCENTAGE OF DATA UNAVAILABLE - 2.0

NOTES, 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-*" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.6	5	28
FEB	29	1.0	6	13
MAR	31	1.3	5	17
APR	30	1.3	4	22
MAY	30	2.8	8	28
JUN	30	1.2	5	25
JUL	31	0.8	2	17
AUG	31	1.0	4	20
SEP	30	1.6	4	29
OCT	28	1.8	5	22
NOV	29	3.0	14	64
DEC	31	3.4	10	43
YEAR	361	1.7	14	64

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 45025 RITSON RD/OLIVE AVE. OSHAWA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	688	34	11	4	0	0	0	737
FEB	648	24	3	0	0	0	0	675
MAR	688	35	12	0	0	0	0	735
APR	679	29	3	1	0	0	0	712
MAY	632	39	19	5	0	0	0	695
JUN	672	26	9	2	0	0	0	709
JUL	724	10	2	0	0	0	0	736
AUG	704	15	7	0	0	0	0	726
SEP	660	34	11	1	0	0	0	706
OCT	619	37	23	1	0	0	0	680
NOV	585	70	35	9	0	4	2	705
DEC	568	93	51	7	1	1	0	721
YEAR	7667	446	186	30	1	5	2	8537

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.2	0	0.0	0.0	0.1	1.2	4.1	7.1	11.2	15.2	64	1.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110

QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	2	2	5	7	10	7	2	2	1	1	1	1	1	1	1	1	1	2	2	2	2	2	2	2	3
2	1	1	1	1	1	1	1	4	4	4	5	4	3	3	3	3	3	3	3	2	2	2	2	2	2
3	2	1	1	1	1	2	3	4	4	2	2	2	2	1	1	2	2	4	6	7	5	5	5	4	3
4	4	3	3	3	3	2	4	9	16	14	14	12	9	2	2	4	9	1	1	1	4	4	4	4	3
5	2	1	1	1	1	1	2	3	4	3	3	3	3	2	2	3	3	3	5	5	4	2	2	3	5
6	5	6	7	5	4	4	4	4	4	5	6	2	2	0	0	1	1	1	0	1	1	0	0	0	2
7	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	1
8	0	0	0	0	0	0	0	1	2	3	1	1	1	1	1	1	1	2	3	3	2	1	1	1	1
9	0	0	0	0	0	0	1	1	2	3	2	1	1	1	1	1	1	2	3	3	2	2	1	1	2
10	5	1	1	1	1	3	6	12	14	9	6	1	1	1	1	2	2	2	2	1	2	2	1	2	3
11	2	1	1	2	1	2	2	3	2	1	1	1	1	1	2	5	3	2	2	2	1	1	1	1	2
12	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
13	2	2	2	3	1	2	2	1	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	2
14	1	1	1	1	1	1	2	5	8	6	4	5	3	1	1	1	1	1	2	4	4	1	1	1	2
15	3	3	2	3	4	5	7	14	24	22	19	5	1	2	5	2	2	4	4	3	2	1	1	1	4
16	0	0	0	0	0	0	1	2	2	2	2	2	1	1	1	1	1	1	0	1	1	0	0	0	1
17	0	0	0	0	0	0	1	11	11	7	6	5	4	4	4	4	6	6	7	14	6	3	2	3	4
18	1	0	0	0	0	1	3	5	4	3	3	3	3	4	4	5	4	4	4	4	2	2	1	0	2
19	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1	1	2	2	2	1	1	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	3	2	1	0	1
21	0	0	0	0	0	0	0	2	3	2	1	1	1	1	1	2	2	4	6	3	16	25	13	8	4
22	2	1	1	1	0	0	0	1	2	2	2	2	3	2	2	3	3	1	2	1	1	1	1	1	2
23	1	0	0	0	0	0	0	2	1	1	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
24	0	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	2	2	2	4	4	3	5	3	1
25	2	1	1	1	2	3	2	9	9	8	4	1	1	2	4	5	8	10	6	5	4	2	2	1	4
26	1	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	1	1	2	2	2	0	0	0	1
27	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	0	0	0	0	1
28	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0	0	1	2	2	3	3	1	0	0	1
29	0	0	0	0	0	0	1	6	8	5	4	2	2	1	1	1	3	3	3	3	1	1	0	1	2
30	2	0	0	0	0	0	0	2	3	1	1	1	1	1	1	1	3	4	4	2	2	1	1	1	1
31	0	0	0	0	0	0	1	3	3	1	1	1	1	1	1	2	2	2	2	1	1	0	0	0	1
MEAN	1	1	1	1	1	1	1	3	4	4	3	2	2	1	2	2	3	3	3	3	3	2	2	2	2.1

PERCENTAGE OF DATA VALID - 99.2

PERCENTAGE OF DATA INVALID - 0.8

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ... INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - C NO 46110												QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	1	0	1	1	2	7	10	9	6	3	2	2	2	3	7	****	****	37	32	27	27	14	9
2	1	1	1	1	1	1	1	3	7	12	11	7	3	3	3	2	3	2	1	2	2	0	0	0	3
3	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	2	3	2	3	2	2	2	1
4	1	0	0	0	0	0	1	7	14	16	16	14	9	4	6	11	13	15	16	21	20	18	15	18	10
5	16	12	9	7	5	4	4	13	25	24	17	5	3	5	8	4	2	7	24	31	40	41	54	49	17
6	44	41	31	22	15	11	11	15	20	24	25	8	1	1	1	1	1	2	2	4	4	2	1	2	12
7	3	4	5	2	1	1	1	3	6	2	2	5	5	5	7	14	23	31	32	36	40	36	31	47	14
8	42	32	27	28	33	17	11	24	36	25	27	5	1	1	****	4	4	4	4	3	2	1	1	1	14
9	0	0	0	0	0	0	1	5	11	6	2	3	2	2	1	2	5	12	13	10	9	5	4	2	4
10	2	1	1	0	0	0	1	3	6	4	2	2	2	1	1	****	2	1	1	0	0	0	1	1	1
11	1	1	1	1	0	1	2	12	17	7	2	1	1	1	1	2	3	3	2	1	1	1	1	1	3
12	1	0	0	0	1	1	1	3	6	8	5	3	2	7	16	20	19	16	5	4	4	4	2	1	5
13	1	1	1	1	1	0	0	0	1	1	1	1	1	2	2	1	1	2	3	3	3	1	1	0	1
14	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1	1	2	3	4	2	1	1	0	0	1
15	1	0	0	0	0	0	1	2	****	****	****	****	****	****	****	****	8	3	2	2	1	1	1	0	1
16	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	8	3	2	2	1	1	1	1	****
17	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	****	8	3	2	2	1	1	1	1	****
18	1	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	2	1	1	0	0	1	
19	0	0	0	0	0	0	0	1	2	3	2	1	0	0	0	1	4	6	11	7	5	3	2	2	2
20	1	1	1	1	1	1	1	1	1	1	7	4	1	1	1	1	1	2	7	6	3	1	1	1	2
21	1	1	1	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1
22	1	1	1	1	1	1	2	7	10	13	7	2	5	6	8	5	4	8	6	1	1	7	14	23	6
23	16	7	13	10	9	8	10	22	23	19	8	5	3	3	3	2	3	4	4	4	4	5	6	5	8
24	5	5	4	3	3	2	4	6	8	4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	2
25	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1	1	1	1	1	1	1	1
26	2	1	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	1	1	1	1	1	1	1	1
27	4	4	5	7	8	8	6	6	20	17	15	12	13	14	16	13	11	15	21	32	36	35	33	36	16
28	32	24	17	14	14	14	14	14	17	16	14	5	3	2	2	3	4	4	16	15	21	20	12	11	13
29	5	2	2	3	3	4	6	10	15	19	14	22	19	18	11	11	11	16	13	12	11	5	4	3	10
30	1	1	1	1	1	1	1	2	5	3	3	3	****	3	4	5	5	6	9	7	5	9	9	6	4
31	5	4	2	2	2	4	10	12	11	10	9	9	8	8	2	1	2	3	9	9	9	8	3	3	6
MEAN	7	5	4	4	3	3	3	6	10	9	7	5	3	3	4	4	5	6	8	9	9	8	8	8	5.9

PERCENTAGE OF DATA VALID - 91.8

PERCENTAGE OF DATA INVALID - 8.2

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110

QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	2.1	6	25
FEB	29	2.5	8	31
MAR	31	2.4	8	51
APR	30	2.1	8	28
MAY	27	2.0	5	21
JUN	10	0.8	2	5
JUL	31	1.6	5	31
AUG	31	1.5	3	18
SEP	30	2.8	9	39
OCT	31	2.6	9	46
NOV	30	3.5	11	38
DEC	28	5.9	17	54
YEAR	339	2.6	17	54

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 46110 QUEENSWAY WEST/HURONTARIO ST. MISSISSAUGA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	683	38	14	3	0	0	0	738
FEB	620	46	17	3	2	0	0	688
MAR	673	43	17	6	1	0	1	741
APR	673	25	12	6	0	0	0	716
MAY	614	31	13	1	0	0	0	659
JUN	265	0	0	0	0	0	0	265
JUL	683	36	12	3	1	0	0	735
AUG	684	35	13	0	0	0	0	732
SEP	616	47	34	12	3	0	0	712
OCT	631	66	27	8	3	1	0	736
NOV	592	63	40	19	4	0	0	718
DEC	480	73	81	22	20	6	1	683
YEAR	7214	503	280	83	34	7	2	8123

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
92.5	0	0.0	0.2	0.7	1.6	5.6	10.0	17.9	23.7	54	2.6

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDM RIDEAU/WURTEMBERG ST. OTTAWA

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	3	1	1	0	0	0	0	0	0	0	0	0	1	0	0	4	6	5	4	3	1	1	2	2	1
2	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	17	1	1	0	0	0	1	1	1	1	1	1	0	0	1
4	0	0	0	0	0	0	1	4	4	2	2	1	1	4	6	9	10	19	18	11	4	3	5	3	4
5	3	2	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	0	0	0	1	3	1	2	3	2	2	4	4	2	1	1	0	0	1
7	0	0	1	0	0	0	1	3	4	2	1	1	1	1	1	1	1	1	1	1	1	1	0	0	1
8	0	0	0	0	0	0	0	2	3	1	1	1	0	0	0	1	2	1	2	1	1	0	0	0	1
9	0	0	0	0	0	0	0	1	1	1	8	0	1	0	0	1	1	1	1	1	7	4	1	4	1
10	3	0	0	0	0	0	0	5	4	6	4	8	13	6	4	5	4	4	2	2	1	1	1	1	3
11	0	0	0	0	0	0	1	2	4	4	4	5	6	4	2	3	2	2	1	1	1	0	0	0	2
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	1	1	1	0	0	1	1	1	1	2	2	1	1	1	2	3	2	1
14	1	1	0	0	0	0	2	9	9	4	3	3	4	7	10	11	10	24	36	28	28	32	24	18	11
15	12	6	3	4	2	1	1	3	6	3	17	1	1	1	1	0	1	2	1	1	1	1	1	1	3
16	0	0	0	0	0	0	0	1	2	2	1	0	1	1	1	1	1	1	1	1	1	1	1	1	3
17	0	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0
18	1	0	0	0	1	2	7	6	32	18	7	7	9	9	10	12	10	12	9	5	5	8	5	4	7
19	3	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3	4	1	1	3	3	1
22	2	4	14	7	2	0	1	4	3	3	2	1	1	2	2	3	3	2	3	2	2	2	2	2	3
23	1	1	1	1	1	2	4	3	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	0	1
24	0	0	0	0	0	0	0	1	2	1	1	1	1	0	1	0	1	2	2	1	1	0	0	0	1
25	0	0	0	0	0	0	0	2	3	2	1	1	1	1	1	1	2	3	2	2	1	0	0	0	1
26	1	0	0	0	0	0	0	0	1	1	1	0	1	1	0	0	0	1	1	0	0	2	3	1	1
27	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	0	0	1	2	5	7	16	15	5	2
28	1	1	1	1	0	0	1	2	3	0	0	0	0	1	1	1	1	2	1	2	0	0	0	0	1
29	0	0	0	0	0	0	1	2	4	1	0	0	0	0	0	1	1	0	1	0	0	0	0	0	1
30	0	0	0	0	0	0	0	2	2	0	1	1	1	0	1	1	1	2	1	1	0	0	0	0	1
31	0	0	0	0	0	0	0	1	1	2	1	0	1	1	0	0	1	1	1	1	0	0	0	0	0
MEAN	1	1	1	0	0	0	1	2	3	2	3	1	2	1	1	2	2	3	3	3	2	3	2	2	1.7

PERCENTAGE OF DATA VALID - 99.3

PERCENTAGE OF DATA INVALID - 0.5

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

[illegible]

PERCENTAGE OF DATA VALID - 93.2 PERCENTAGE OF DATA INVALID - 5.7 PERCENTAGE OF DATA UNAVAILABLE - 1.1

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *.* INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

HOUR	POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT											UNITS - 0.01 PARTS/MILLION													
	STATION - SE NO 51001					MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA						MONTH - JUL 80													
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1												- DATA	INVALID	-											
2												- DATA	INVALID	-											
3												- DATA	INVALID	-											
4												- DATA	INVALID	-											
5												- DATA	INVALID	-											
6												- DATA	INVALID	-											
7												- DATA	INVALID	-											
8												- DATA	INVALID	-											
9												- DATA	INVALID	-											
10												- DATA	INVALID	-											
11												- DATA	INVALID	-											
12												- DATA	INVALID	-											
13												- DATA	INVALID	-											
14												- DATA	INVALID	-											
15												- DATA	INVALID	-											
16												- DATA	INVALID	-											
17												- DATA	INVALID	-											
18												- DATA	INVALID	-											
19												- DATA	INVALID	-											
20												- DATA	INVALID	-											
21												- DATA	INVALID	-											
22												- DATA	INVALID	-											
23												- DATA	INVALID	-											
24												- DATA	INVALID	-											
25												- DATA	INVALID	-											
26												- DATA	INVALID	-											
27												- DATA	INVALID	-											
28												- DATA	INVALID	-											
29												- DATA	INVALID	-											
30												- DATA	INVALID	-											
31	0	0	0	0	0	1	1	2	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	1	0	0	0	1	1	2	1	1	1	0	1	1											

PERCENTAGE OF DATA VALID - 6.2 PERCENTAGE OF DATA INVALID - 93.8 PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. "*****" INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. "*****" INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT		UNITS - 0.01 PARTS/MILLION																							
STATION - SE NO 51001		MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA																							
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	1	0	0	0	0	0	2	7	6	4	3	2	****	2	1	2	2	5	10	10	19	30	17	20	6
2	12	10	5	1	0	0	2	2	1	1	1	1	1	1	1	2	2	2	1	1	1	0	0	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	1	1	22	0	****	0	0	0	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	1	1	1	0	1	1	0	1	1	1	5	4	9	10	1	0	0
6	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	2	2	8	5	3	4
7	5	5	4	6	8	16	10	15	15	9	5	5	5	3	3	2	2	1	1	1	1	1	1	1	0
8	0	0	0	1	1	2	4	9	10	10	11	9	8	7	5	4	12	15	5	2	1	1	1	1	0
9	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	3	4	3	3	-	2	2	2	1
10	1	1	0	0	0	1	2	6	10	****	12	4	6	6	6	4	****	****	0	0	0	0	0	0	3
11	0	0	0	0	0	0	1	3	10	6	1	1	2	4	3	6	7	14	11	8	-	-	-	2	4
12	1	2	1	2	1	2	4	7	12	5	5	4	3	2	2	2	2	4	4	3	2	1	1	1	3
13	2	2	3	5	7	3	2	1	0	1	0	0	0	0	0	1	0	0	2	3	2	3	4	13	2
14	6	3	2	0	0	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	1	0	1	1	3	3	5	5	2	1	2	1	1	1	1	2	3	****	1	0	1	0	0	2
16	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	1
17	0	0	0	0	0	0	0	3	3	2	1	2	2	3	7	8	11	13	12	8	****	2	1	0	3
18	1	0	1	0	1	1	2	7	3	1	1	1	1	1	1	2	6	27	20	17	32	29	-	-	7
19	11	1	0	0	0	0	1	1	1	1	1	0	-	-	0	1	2	5	3	2	1	1	3	3	2
20	2	1	1	0	0	1	1	1	2	2	2	2	1	1	0	1	1	1	2	2	1	1	1	1	1
21	2	5	1	2	1	0	0	1	1	1	1	0	0	0	0	1	1	1	2	4	14	15	15	14	3
22	10	6	10	6	6	3	2	9	6	3	5	7	10	12	4	4	4	3	3	2	4	4	2	2	5
23	2	1	1	1	2	3	5	8	5	7	22	5	5	5	4	6	6	7	****	7	7	18	25	18	7
24	12	10	8	5	2	2	4	9	7	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3
26	5	3	1	0	0	0	0	0	0	1	1	2	1	1	1	10	5	1	0	1	1	2	2	3	4
27	4	1	2	0	0	0	0	0	0	0	0	0	0	1	2	4	5	7	11	17	28	8	4	2	4
28	3	2	1	1	1	1	1	1	1	2	2	2	3	5	2	3	2	1	2	2	1	2	4	7	2
29	13	6	20	25	11	7	6	16	26	25	12	6	6	6	6	8	13	18	8	1	0	0	0	1	10
30	0	0	0	0	0	0	0	0	0	0	****	****	****	4	1	2	3	1	2	2	1	1	1	1	1
31	0	0	0	0	0	0	0	1	4	3	3	3	4	2	1	3	5	5	1	4	5	8	8	-	3
MEAN	3	2	2	2	1	1	2	4	4	3	4	2	2	2	2	3	4	5	4	5	4	4	4	4	3.0

PERCENTAGE OF DATA VALID - 96.4

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 1.7

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST.OTTAWA

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	1.7	11	36
FEB	29	1.2	5	23
MAR	31	1.1	6	21
APR	30	0.6	2	12
MAY	31	0.9	4	19
JUN	30	0.7	2	8
JUL	2	0.6	1	2
AUG	31	0.7	2	17
SEP	30	0.7	2	14
OCT	31	1.6	9	42
NOV	30	2.3	6	41
DEC	31	3.0	10	32
YEAR	337	1.3	11	42

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 51001 MCDONALD GDN RIDEAU/WURTEMBERG ST. OTTAWA

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	688	29	15	4	3	0	0	739
FEB	644	30	8	1	0	0	0	683
MAR	703	23	12	1	0	0	0	739
APR	691	5	5	0	0	0	0	701
MAY	703	19	5	0	0	0	0	727
JUN	665	6	0	0	0	0	0	671
JUL	46	0	0	0	0	0	0	46
AUG	718	11	2	0	0	0	0	731
SEP	695	12	3	0	0	0	0	710
OCT	685	28	14	3	1	1	0	732
NOV	630	58	23	1	1	1	0	714
DEC	595	73	38	10	1	0	0	717
YEAR	7463	294	125	20	6	2	0	7910

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
90.1	0	0.0	0.0	0.0	0.7	3.1	5.5	9.9	13.6	42	1.3

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1	1	1	3	1	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	1	1	1	1	0	1	1	0	0
4	0	0	0	0	0	0	0	2	2	2	1	1	1	1	0	1	3	12	12	8	4	5	3	6	3
5	4	4	2	2	0	0	1	1	1	1	1	1	1	1	1	1	1	4	6	12	5	1	1	1	2
6	0	0	1	1	0	2	2	1	2	1	0	1	1	1	0	0	1	1	2	2	1	1	0	0	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0
8	0	0	1	0	0	0	0	0	1	4	0	1	1	1	0	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	1	1	0	0	0	0	0	0	1	0
10	0	0	0	0	0	0	0	2	2	1	1	1	1	1	0	0	3	1	1	1	1	0	1	0	1
11	0	0	0	0	0	0	0	1	4	4	7	8	0	0	0	0	0	0	0	0	0	0	0	0	1
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	2	4	3	3	8	5	1
14	6	2	0	1	1	5	4	5	6	0	0	0	0	1	1	1	2	2	1	1	2	2	4	4	2
15	2	1	0	0	0	1	1	1	1	1	1	2	2	2	1	2	3	3	2	2	2	1	0	0	1
16	0	0	0	0	0	0	0	1	1	1	1	2	1	2	1	1	1	1	1	1	3	2	1	2	1
17	1	1	1	0	0	0	0	0	1	14	4	4	3	3	2	3	5	5	5	6	6	5	4	3	3
18	4	4	2	2	4	5	9	3	1	0	0	2	1	1	2	2	3	2	2	2	1	1	1	1	3
19	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	1	0	0	0	0	1
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	0	0	0	0	0	2	0	0
22	1	0	0	0	0	0	0	1	4	0	0	2	1	1	2	2	2	2	1	3	2	1	1	0	1
23	0	0	1	0	0	0	0	0	0	0	1	0	1	0	1	1	1	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	2	2	1	1	0	0	0	0	0
25	0	0	0	0	0	0	0	0	1	0	0	1	1	1	1	2	2	2	3	3	2	2	1	1	1
26	0	0	0	0	0	0	0	0	0	0	1	0	1	1	2	1	1	1	1	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	1	1	1	1	1	1	0	0	0	0
28	0	0	0	0	0	0	1	1	2	1	1	2	1	1	1	1	2	1	0	1	1	1	1	0	1
29	0	0	0	0	0	0	0	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	1
30	0	0	0	0	0	0	0	1	1	0	1	2	1	1	2	1	1	1	0	-	1	1	0	0	1
31	0	1	0	0	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1	1	1	0	0	0	1
MEAN	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	2	1	1	1	1	0.9

PERCENTAGE OF DATA VALID - 98.0

PERCENTAGE OF DATA INVALID - 1.9

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT															UNITS - 0.01 PARTS/MILLION										
STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL															MONTH - DEC 80										
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	6	9	15	27	33	15
2	3	1	0	0	0	0	0	0	0	1	1	1	1	1	1	1	4	3	3	3	4	6	4	0	2
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	1	2	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	1	0	0	1	1	0	0
7	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	1	0
8	0	0	0	0	2	5	6	6	12	6	2	6	5	1	1	0	0	0	1	1	0	0	0	1	0
9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	3
10	0	0	0	0	0	3	2	0	1	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	2	1	0	0	0	1	0	0	0	0	0	4	-	-	-	1	0
12	1	2	1	0	0	0	0	0	0	1	7	1	2	2	1	1	1	2	2	1	3	5	2	3	2
13	1	2	3	4	3	2	1	0	1	2	1	1	1	1	1	1	1	1	1	0	0	0	0	2	0
14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
15	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	2	2	1	1	1
17	0	0	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	0	1	0	0	1
18	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
20	0	1	1	0	0	0	0	0	0	1	1	1	1	0	1	1	1	1	2	2	1	1	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2	2	3	3	2	1
22	1	0	0	0	0	0	5	33	43	44	15	7	6	6	8	6	2	1	1	0	4	7	5	6	1
23	11	6	5	0	0	0	0	2	17	10	4	4	3	3	3	3	4	3	12	16	19	25	1	1	11
24	0	0	0	0	0	0	0	1	2	31	2	3	1	0	0	0	0	0	0	1	1	0	0	0	3
25	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	8	9	8	7	7	6	5	5	4	4	4	5	3	3	3	2	2	2	2	4	5	5	6	7	2
29	8	5	6	6	4	2	2	8	14	8	3	2	1	1	1	2	6	3	1	2	2	3	4	7	5
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	4
31	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	1	0	0	0	0	1	0	-	0
MEAN	1	1	1	1	1	1	1	2	3	4	1	1	1	2	1	1	1	1	2	2	2	3	2	2	1.6

PERCENTAGE OF DATA VALID - 95.8

PERCENTAGE OF DATA INVALID - 2.6

PERCENTAGE OF DATA UNAVAILABLE - 1.6

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. -- INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.9	3	14
FEB	29	0.7	3	10
MAR	31	0.6	3	10
APR	30	0.7	6	26
MAY	31	0.2	2	14
JUN	30	0.1	1	9
JUL	31	0.3	3	6
AUG	31	0.8	5	15
SEP	30	0.3	1	8
OCT	31	1.5	10	38
NOV	30	0.9	5	20
DEC	31	1.6	11	44
YEAR	366	0.7	11	44

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - SE NO 56051 MEMORIAL PARK YORK/THIRD ST., CORNWALL

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	714	11	4	0	0	0	0	729
FEB	673	7	0	0	0	0	0	680
MAR	719	9	0	0	0	0	0	728
APR	692	5	3	4	0	0	0	704
MAY	716	4	1	0	0	0	0	721
JUN	668	3	0	0	0	0	0	671
JUL	730	1	0	0	0	0	0	731
AUG	705	18	4	0	0	0	0	727
SEP	696	8	0	0	0	0	0	704
OCT	674	24	22	9	2	0	0	731
NOV	682	18	9	0	0	0	0	709
DEC	658	36	12	2	3	2	0	713
YEAR	8327	144	55	15	5	2	0	8548

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
97.3	0	0.0	0.0	0.0	0.0	1.3	3.1	5.8	9.2	44	0.7

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 58030 132 KING ST. PORT HOPE

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	4	8	4	1	0	0	0	0	0	1	0	1	1	1	1	0	0	0	0	0	0	0	0	0	1
2	1	2	2	2	1	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0	2
3	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1
4	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0	0	0	2	1	1	1	1	0	1	1
5	0	0	1	1	1	1	1	0	1	1	0	0	1	1	1	1	1	2	1	1	1	1	1	1	1
6	0	1	0	1	0	0	0	0	0	0	0	0	0	1	1	1	1	2	1	1	1	1	1	1	1
7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	1	0	0	0	0	0	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0	0	0	0	0
9	0	0	0	0	0	0	0	0	0	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0
10	0	1	0	0	1	1	1	3	7	5	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
13	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
14	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	5	9	4	4	2	8	4	3	2
15	2	2	1	1	1	0	2	2	1	0	0	0	0	0	0	0	0	0	16	10	2	0	1	0	0
16	0	0	1	1	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18	0	0	0	0	1	1	0	1	1	1	1	1	2	2	1	1	1	1	3	1	1	0	0	0	0
19	1	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	1	0	0	0	0
20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	2	6	5	1
22	3	2	3	3	3	1	1	0	0	0	0	0	0	0	1	2	1	0	1	1	0	0	0	0	1
23	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0
25	0	0	0	0	1	2	5	10	8	4	2	1	1	0	0	0	0	0	1	0	0	0	0	0	1
26	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
28	0	0	0	0	1	1	0	0	0	0	1	0	0	0	0	0	0	1	1	7	7	0	0	0	1
29	0	1	0	0	0	0	2	1	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0
31	0	0	0	1	0	1	0	0	0	0	0	0	0	1	0	0	0	0	0	0	1	0	0	0	0
MEAN	0	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	1	1	1	1	0	0	0	0.5

PERCENTAGE OF DATA VALID - 99.9

PERCENTAGE OF DATA INVALID - 0.1

PERCENTAGE OF DATA UNAVAILABLE - 0.0

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. "-" INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION												
STATION - C NO 58030 132 KING ST. PORT HOPE												MONTH - FEB 80												
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24 MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
5	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1	1	0	0	1	1	1
7																								
8												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	*****
9												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
10												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
11												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
12												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
13												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
14												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
15												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
16												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
17												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
18												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
19												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
20												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
21												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
22												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
23												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
24												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
25												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
26												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
27												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
28												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
29												- DATA UNAVAILABLE -	-	-	-	-	-	-	-	-	-	-	-	-
MEAN	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.1

PERCENTAGE OF DATA VALID - 18.8

PERCENTAGE OF DATA INVALID - 0.0

PERCENTAGE OF DATA UNAVAILABLE - 81.2

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 58030 132 KING ST. PORT HOPE

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	31	0.5	2	16
FEB	5	0.1	0	1
YEAR	36	0.4	2	16

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - C NO 5803D 132 KING ST. PORT HOPE

MONTH	00 TO 05	05 TO 10	10 TO 15	15 TO 20	20 TO 25	25 TO 30	30 TO 35	35 TO 40	40 TO 45	45 TO 50	50 & OVER	TOTAL
JAN	730	12	1	0	0	0	0	0	0	0	0	743
FEB	131	0	0	0	0	0	0	0	0	0	0	131
YEAR	861	12	1	0	0	0	0	0	0	0	0	874

FREQUENCY DISTRIBUTION BY PERCENTILES
PERCENT OF DATA

CONCENTRATIONS
FREQUENCY DISTRIBUTION, PERCENT

ARITH

VALID	MIN	10	30	50	70	90	95	98	99	MAX	MEAN
60.7	0	0.0	0.0	0.0	0.0	0.8	1.4	3.9	6.4	16	0.4

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH - JAN 80

HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
4	0	0	0	0	2	2	0	4	4	2	1	0	0	2	3	2	5	6	11	11	9	11	7	3	4
5	1	0	0	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0
6	0	0	0	0	0	0	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0
7	0	0	0	0	0	0	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8	2	1	0	0	0	0	0	1	0	0	0	0	1	2	***	***	***	***	***	***	***	***	***	***	***
9	DATA INVALID																								
10	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	4	4	4	4	4	4
11	4	4	4	4	3	3	3	4	4	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***	***
12	***	2	2	3	3	3	3	3	2	2	2	2	2	2	2	2	2	2	1	2	2	2	2	2	2
13	1	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	2	1	1	1	2	1	1	1	2
14	1	1	1	1	1	1	1	1	2	2	2	2	2	2	1	2	1	1	2	2	1	1	1	1	1
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	2	2	***	1	1	0	1	1	1	1
17	0	0	0	0	0	0	0	0	0	0	0	0	1	1	2	3	4	4	2	3	2	1	1	2	1
18	2	2	2	2	2	2	2	3	3	3	3	2	1	1	1	1	1	1	1	0	0	0	0	0	1
19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
20	DATA INVALID																								
21	***	***	***	***	***	***	***	***	1	1	***	***	***	***	0	0	0	2	0	0	1	1	1	1	***
22	1	0	1	1	0	0	1	3	9	7	5	3	***	1	1	1	1	2	0	0	0	0	0	0	2
23	0	0	0	0	0	0	0	0	0	0	0	0	***	0	0	0	0	1	1	0	0	0	0	0	0
24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	1	3	3	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0
28	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	3	3	4	0	0	0	0	1
29	0	0	0	0	0	0	0	0	1	0	***	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
MEAN	1	0	0	0	1	0	0	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	0.7

PERCENTAGE OF DATA VALID - 83.1

PERCENTAGE OF DATA INVALID - 16.8

PERCENTAGE OF DATA UNAVAILABLE - 0.1

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. *** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT												UNITS - 0.01 PARTS/MILLION													
STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY												MONTH - DEC 80													
HOUR DAY	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	MEAN
1	0	0	0	0	0	0	0	2	2	0	1	0	1	0	0	1	1	1	1	1	0	0	0	0	0
2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0
4	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	2	7	9	8	3	-	2	0	2
5	0	0	0	0	0	0	0	1	2	2	1	1	1	1	1	1	4	7	-	-	9	4	2	1	2
6	0	0	0	0	0	0	0	0	1	1	2	2	2	2	1	2	2	2	2	2	1	1	1	1	1
7	1	1	1	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	1	1
8	1	0	0	0	0	0	1	1	1	2	1	1	1	1	1	1	0	0	0	0	0	0	0	0	1
9	0	0	0	0	0	0	0	1	2	2	1	0	1	1	1	1	1	2	1	0	-	-	0	0	1
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	2	4	9	12	40	39	42	32	8
12	19	6	18	21	16	11	8	7	6	6	6	0	3	2	3	3	4	5	2	1	1	1	1	1	7
13	1	1	1	1	1	1	0	1	0	0	0	0	0	0	0	1	2	1	1	2	3	2	1	0	1
14	0	1	1	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	1	2	2	1
15	2	1	0	0	0	0	0	1	1	1	1	1	1	1	1	1	1	0	0	0	0	0	0	0	1
16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17	0	0	0	0	0	0	1	4	6	3	2	2	2	2	2	2	4	2	1	1	1	1	1	1	2
18	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	5	4	1	1	1	-	-	-	1
19	0	0	0	0	0	0	0	0	0	0	0	0	-	-	0	1	1	1	1	1	1	1	1	1	0
20	1	1	0	0	0	0	0	1	0	1	0	0	0	1	1	1	1	1	1	1	0	0	0	0	0
21	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	1	0	0	3	0
22	2	1	1	0	1	1	1	6	9	7	7	29	12	6	5	4	4	3	2	1	1	1	1	1	4
23	0	0	0	0	0	0	1	1	2	2	2	2	2	2	2	2	1	1	1	0	1	1	0	0	1
24	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0	0	0	2	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0
26	4	3	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	3	4	4	1
27	0	0	0	0	0	0	0	0	0	0	1	1	1	1	0	0	4	9	9	6	5	4	2	5	2
28	4	2	0	0	0	0	0	0	0	0	0	1	1	1	1	1	1	0	0	1	0	1	1	1	1
29	1	0	0	0	0	0	1	1	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
30	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	1	1	0	0	0	0	0	0	0
31	0	0	0	0	0	0	0	0	1	1	1	0	1	1	1	1	1	3	3	2	2	2	1	-	1
MEAN	1	1	1	1	1	0	0	1	1	1	1	1	1	1	1	1	1	2	2	1	3	2	2	2	1.2

PERCENTAGE OF DATA VALID - 97.2

PERCENTAGE OF DATA INVALID - 1.3

PERCENTAGE OF DATA UNAVAILABLE - 1.5

NOTES 1. ***** INDICATES INVALID DATA DUE TO INSTRUMENTATION FAILURE

2. ** INDICATES DATA IS UNAVAILABLE

3. ***** INDICATES LESS THAN 2/3 VALID DATA FOR DAILY MEAN IN ONE DAY

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY SUMMARY OF HOURLY AND 2-HOURLY DATA FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	NO OF DAYS	AVERAGE CONCENT	24-HOUR MAXIMUM	MAXIMUM READING
JAN	24	0.7	4	11
FEB	22	0.6	3	29
MAR	31	0.7	4	16
APR	30	0.5	2	7
MAY	31	0.1	1	6
JUN	28	0.1	1	9
JUL	31	0.1	0	3
AUG	31	0.4	2	15
SEP	30	0.3	1	10
OCT	31	0.7	9	23
NOV	28	0.8	6	29
DEC	31	1.2	8	42
YEAR	348	0.5	9	42

ONTARIO MINISTRY OF THE ENVIRONMENT - AIR RESOURCES BRANCH

MONTHLY GROUP FREQUENCY DISTRIBUTION FOR 1980

POLLUTANT - NITRIC OXIDE - CHEMILUMINESCENT

UNITS - 0.01 PARTS/MILLION

STATION - NE NO 77016 ASH ST WATER TANK, SUDBURY

MONTH	00 TO 05	06 TO 10	11 TO 20	21 TO 30	31 TO 40	41 TO 50	51 & OVER	TOTAL
JAN	610	5	3	0	0	0	0	618
FEB	554	6	2	4	0	0	0	566
MAR	722	13	5	0	0	0	0	740
APR	691	1	0	0	0	0	0	692
MAY	735	1	0	0	0	0	0	736
JUN	675	1	0	0	0	0	0	676
JUL	735	0	0	0	0	0	0	735
AUG	727	3	3	0	0	0	0	733
SEP	710	3	0	0	0	0	0	713
OCT	709	14	8	3	0	0	0	734
NOV	642	11	4	3	0	0	0	660
DEC	690	21	6	2	3	1	0	723
YEAR	8200	79	31	12	3	1	0	8326

FREQUENCY DISTRIBUTION BY PERCENTILES

PERCENT OF DATA VALID	MIN	10	30	50	70	90	95	98	99	MAX	ARITH MEAN
94.8	0	0.0	0.0	0.0	0.0	0.9	1.8	3.9	6.8	42	0.5

NORMAL END OF JOB

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